



# VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

JUNE 1997

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**WORLDWIDE TV-FM BX ASSOCIATION**  
P O BOX 17333 - ASHEVILLE, NC 28816 - U.S.A.

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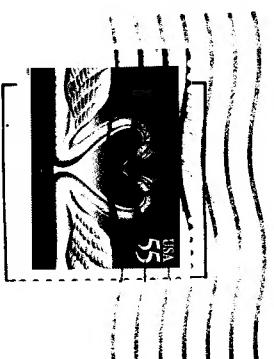
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**West Virginia Public Radio**

Station	Frequency	Location
Wheeling	90.9 FM	Wheeling
Parkersburg	90.3 FM	Parkersburg
Clarksburg	107.2 FM	Clarksburg
Martinsburg	90.9 FM	Martinsburg
Buckhannon/Weston	88.9 FM	Buckhannon/Weston
Elkins	88.5 FM	Elkins
Beckley	91.7 FM	Beckley
Huntington	89.9 FM	Huntington
Charleston	88.5 FM	Charleston
WV A		Wheeling
PR		Wheeling

**Major Roads:**

- I-77
- I-64
- I-79
- 50
- 33
- 19
- 44
- 144
- 181
- 41

**Neighboring States:**

- OHIO
- KENTUCKY
- PENNSYLVANIA
- VIRGINIA

**COME TO ATLANTA FOR CONVENTION '97!**

# WORLDWIDE TV-FM DX ASSOCIATION

## SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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### FROM THE STAFF:



August 1-3, 1997

### SIGN UP NOW!

**IT'S A GO!** Thanks to 1997 convention host John Broomall for pulling a rabbit out of the hat and securing an alternate convention site. Since most WTFDAers tend to procrastinate when it comes to making convention reservations, this unusually late release of details won't likely cause any problems. Team up with friends to share a room and join the festivities in a city where the "Old South" and the "New South" come together to create a warm yet vibrant setting.

#### **THE SPECIFICS:**

##### *(Convention Registration)*

\$30 (postmarked by July 1); **anytime after that \$42.** Cancellations with full refund will be available through July 20. No refunds after that date. Your registration fee includes the use of a meeting room, soft drinks and snacks, and a catered banquet on Saturday evening. **Get your check in the mail NOW and save \$12!** Checks should be made payable to John O. Broomall, and mailed directly to him at WATC-TV; 1862 Enterprise Drive; Norcross, GA; 30093.

##### *(Lodging)*

Our convention headquarters will be at the LaQuinta Inn in Norcross, GA; just 12 miles from downtown Atlanta. It's on I-85 just two miles north of I-285. Our rate is an amazingly low \$49 per night (plus applicable taxes) and includes a daily continental breakfast. All rooms have two double beds, and there is a pool. **ALL PLANNING TO ATTEND ARE RESPONSIBLE FOR BOOKING THEIR OWN ROOMS, AND WE RECOMMEND THAT YOU DO IT IMMEDIATELY.** The WTFDA does not have exclusive use of this facility and it is subject to sellout prior to convention time. Reservation numbers are 1-800-531-5900 and 770-448-8686. Please request the "DX Weekend Convention Special". In the event that you have problems or questions, the manager is Ken Tallman.

#### *(Events)*

The 'field trips' haven't been finalized, but options include visits to "The Weather Channel", CNN, the FCC regional office, AM-FM-TV stations, video production facilities, and much more! If you have a strong preference for any of these, please let John know at (day) 770-300-9828 or (evenings) 770-449-5371. Those arriving on Friday will have the opportunity to be guests in the studio audience for "Atlanta Alive" at WATC-TV. Among weekend convention activities at the LaQuinta, you'll want to check out sessions on "Computers, the Internet, and DXing"; and information on digital tv and how it relates to the future of DXing. There's even the possibility of a demonstration of amateur television. Of course, the customary informal WTFDA meeting and discussion period will follow the banquet.

#### *(Meeting Room)*

This area will be open during the entire convention for you to enjoy DXing, visiting, inspection of individual DX photo collections, and DX videotape playback. You're welcome (in fact urged) to bring DX gear including antennas, receivers, and whatever else might be useful or of interest to the rest of the group.

#### *(Additional Info)*

The LaQuinta Inn is easy to find...at the corner of Jimmy Carter and I-85 (exit 37). Fast-food junkies will be pleased to know that a McDonalds adjoins the inn; and chow-hounds interested in a more extensive menu selection will enjoy an equally convenient Cracker Barrel Old Country Restaurant. Of course there are many other choices just a short drive away.

#### *(Other Area Attractions)*

As is the case with any big city, Atlanta offers plenty to see and do. You may want to consider side trips to Stone Mountain, Six Flags, Underground Atlanta, the site of the 1996 Olympics, or any of the numerous historic sites in the area. Rail buffs might want to ride the MARTA system. For more information check Atlanta listings on the web or contact our host.

#### *(Tentative Schedule)*

Friday:	Convention officially gets underway at 4PM Welcome by host John Broomall and tour of WATC-TV. If you like, you're invited to stay as a studio audience guest for "Atlanta Alive".
Saturday:	Field tours - To Be Announced Discussion groups on DX-related topics Catered banquet Informal WTFDA meeting
Sunday:	More programs for those able to stay Visiting Good-byes Convention officially concludes at 3PM

*As you read this it is less than two months until convention time. Don't delay... mail your registration fee and phone for your room reservations NOW!*

# WTFDA Mailbox

June, 1997

Edited by: Matthew C. Sittel. E-mail: 76255.2171@CompuServe.com

## June, 1997 Renewals Due:

Frank Aden, Jr., David Austin, Charles R. Bernth, Dave Bright, Tim Cronin, William Eckberg, Neil Kazaross, Jeff Kruszka, Michael W. Lapinski, Alfred A. Laun III, John C. Marx, Michael O'Connell, James Paige, Edward Ritchie, Jr., Robert F. Sutherland, Stan Weisbeck, Steven C. Wiseblood, Leslie Wood.

## New members! Welcome!

Quentin R. Davis, Jeffersonville, IN  
Charles N. Kaeff, Jr., Covington, KY

## WTFDA MEMBERSHIP / CHANGE SINCE LAST MONTH: **269 / 0**

(total as of May 12, 1997)

\* Shel Remington, Keaua, HI

I'll eventually get my hands on a word processor, and finish going through 100+ hours of taped 2400+ mile tropo DX, and write up all the details of the fantastic California/Hawaii duct. Now have about 200 FM's logged from northern Oregon to southern Baja - the latter being likely a new (unpublished as yet) world tropo record. Haven't hit TV as hard but do have at least one 2400+ mile catch on each VHF channel via the duct. Also setting up good receiving systems - on FM I now have a stack of Probe-9's with an RDX preamp into a Pioneer Supertuner IV; for all of VHF-UHF I use a Tennadyne T31 log-periodic into an RDX preamp and an AOR scanner. All of these systems are 99% dedicated to the giant duct. TV antennas not yet added - having too much on FM, hi. Aloha, Shel

\* Russell Miller, N. Amity, ME

I think the club could benefit from an added feature to the VUD. What I'm thinking of is recent DX paths via tropo, plotted on accurate weather maps. Maybe six maps per page. This would help new members and old. Unfortunately I don't have the time or access to accurate maps. Maybe a former or current meteorologist could run a column such as this. Or how about someone with a computer with Internet access to accurate weather maps? Good idea? Yes? No?

(I think a special report on this would be very interesting. As a meteorologist, I must admit I've never taken the time to study this! How embarrassing! With the proliferation of the Internet, it wouldn't be too hard to locate the needed maps. Would someone like to volunteer? -- mcs)

That's all for this month..... 73s Matt.

Worldwide TV-FM DX Association  
PO Box 17333  
Asheville, NC 28816-7333

# TV NEWS

June 1997

Douglas E. Smith W9WI  
1385 Old Clarksville Pike  
Pleasant View, TN 37146-8098  
72777.3143@compuserve.com

\*: Non-commercial station  
nc: No Change  
+/-: Channel offsets (plus,  
z/n: minus, zero, and none)  
^: Digital TV station

## APPLICATIONS FOR NEW STATIONS

Three more Texas LPTV applications have been quashed. Two in Wichita Falls (channels 41 and 57) were returned to the applicant. The third was for channel 32 at Eagle Pass, and was dismissed.

## CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

St	Ch	ERP	HAAT	City: applicant	Call	Call/
BC	4	0.05		McBride; Discovery Channel		
CO	47+	0.054	K47FJ	Manitou Springs		38-51-50N/104-54-48W
CO	33+	0.987	K33EW	Woodland Park; religious		38-59-12N/105-04-05W
CO	61z	0.987	K61GX	Woodland Park; KXRM-21		38-59-12N/105-04-05W
KS	36+	3467	324	Hutchinson; 3 Feathers		37-56-23N/ 97-30-42W
MI	44+	10		Mt. Pleasant		43-34-33N/ 84-46-29W
VI	27z	18.4	121	Christiansted		17-44-53N/ 64-43-40W
WI	33^	2.55	208	Milwaukee; WMVS-10		43-05-48N/ 87-54-19W
YT	6	0.01		Teslin; English/native language local stn.		

YT is the Yukon Territory of Canada. The Milwaukee operation is an experimental DTV facility, and will also use channels 34, 35, and 42. I would imagine the calls will be WMVS-HD on all four channels.

## APPLICATIONS TO CHANGE EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	Call/
BC	4	0.311	323	CBCY-TV-1	Burns Lake	54-15-25N/125-40-36W
FL	25-	5000	201	WJXX	Orange Park	
NC	61z	1054	167	WLXI-TV	Greensboro	
ND	22n	15.5		K22AK	Devils Lake	48-09-55N/ 99-13-36W
PR	48z	21.8	-18	WVOZ-TV	Ponce	

## APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	Call/
ON	43	282		CHRO-TV-43	Ottawa	45-13-01N/ 75-33-51W
VA	34^	112		WETA-HD	Arlington	
WA	30^	350	226	KOMO-HD	Seattle	47-37-55N/122-21-09W

(also channels 43 and 47)

## CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	Call/
AL	28z	18		WTZT-LP	Athens	
AL	59-	7.38		W59CF	Russellville (from no offset)	
AR	46+	32		KPBI-LP	Ft. Smith	
AZ	22n	1.49		KPSN-LP	Payson	34-17-23N/111-11-26W
CO	47z	0.862		K47DE/K51AI	(965w)/K55CD (954w)	Haxtun
FL	22+	58.3		W22AM	St. Augustine	29-55-05N/ 81-23-28W
IA	45+	68.8		K45CC	Council Bluffs	
LA	62z	8.93		KLAF-LP	Opelousas	30-31-14N/ 92-03-36W
ME	33+	29.8		WBGR-LP	Bangor	
ME	21+	35.3		W21BH	Machias (TBN)	
MI	62z	5000	327	WWJ-TV	Detroit (1200KW vert)	42-26-52N/ 83-10-23W
MN	46-	1.37		K46AA	St. James	44-06-28N/ 94-35-55W
					also K35DC (1.24KW), K50AB (1.42KW, from no offset to minus)	
MO	40z	15.6		K40FF	St. Louis (from K07TV, channel 7)	
ND	35+	0.998		KCUT-LP	Grand Forks	47-52-33N/ 97-02-50W
NH	18-	8.6		W18BO	Pittsburg	
NY	56-	13.7		W56DS	Buffalo (from W61CA, channel 61)	
NY	69-	11.6		W69CS	Buffalo	
NY	42+	14.94		W42BR	Elmira	42-01-55N/ 76-47-02W

## CHANGES GRANTED TO EXISTING FACILITIES

St	Ch	ERP	HAAT	Call	City	
NY	16+	28.5		W16AX	Ithaca	
NY	19+	21.4		W19CC	Niles	42-48-05N/ 76-26-14W
NY	38-	11.3		WAWW-LP	Rochester	
NY	63+	8.83		W63BM	Rochester	
NY	14z	47.4		WAWA-LP	Syracuse	43-03-30N/ 76-10-00W
OH	67-	16.45		WOHL-LP	Lima	40-38-03N/ 84-12-29W
OH	48+	10.84		WNGT-LP	Toledo	41-39-13N/ 83-31-49W
OK	54+	61		KXOC-LP	Oklahoma City	35-22-54N/ 97-29-20W
PA	26-	1.7		W26AD	Allentown/Beth.	40-34-20N/ 75-25-51W
PA	41-	5.9		W41CF	Altoona	40-33-57N/ 78-36-36W
PA	48-	10.2		W48CH	Erie (from W42BX, channel 42)	
TN	50+	7		W50CG	Knoxville (from W04CY, channel 4)	
TN	27n	8.4		WHRT-LP	Murfreesboro	35-50-26N/ 86-23-27W
TX	43-	65.07		K43FJ	Houston	29-48-16N/ 95-12-23W

## CHANGES GRANTED TO CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City	
AL	38z	17.4		W38BQ	Huntsville	34-45-28N/ 86-39-44W
FL	57-	nc	135	WFXU	Live Oak	30-33-00N/ 83-00-46W
NC	64+	8.7		W64CI	Asheville	35-35-00N/ 82-32-49W
NY	59-	1.9		W59DG	Elmira	42-01-55N/ 76-47-02W
NY	47-	11.6		W47BM	Rochester (from zero offset)	
NY	58-	37.5		W58CX	Saratoga Springs	42-38-16N/ 73-59-55W
NY	23+	34.9		W23BP	Watertown (from W56DH, channel 56)	
OH	61+	34.8		W61CZ	Lima (from Van Wert)	40-38-03N/ 84-12-29W
OH	57n	76.9		W57BH	Steubenville	40-21-59N/ 80-35-22W
ON	67-	757		CHCH-TV-3	Muskoka	44-58-14N/ 79-46-58W
PA	32z	36		W32AX	Altoona	40-29-15N/ 78-21-09W
PA	25z	83.4		W25AX	Kittanning	40-48-57N/ 79-30-10W
PA	61-	5.7		W61CC	Pittsburgh	40-26-46N/ 79-57-51W
PA	69n	11.4		W69CC	Pittsburgh	40-26-46N/ 79-57-51W
PR	60z	1000	708	WMEI	Arecibo	18-10-09N/ 66-34-30W
VA	54+	80		W54BT	Roanoke	37-11-38N/ 80-09-25W

## TECHNICAL CHANGES ON THE AIR

AR	59n	K59ES	Hindsville	(moderate power increase)
AR	60n	K60EP	Paris	(major power increase; move about 1km north; city from Magazine Mtn.)
AR	15-	K15DR	Springdale	(moderate power increase)
AR	63-	K63EG	Winslow	(major power increase)
FL	23-	WLTV	Miami	(move 2km NW, major power increase & moderate tower height decrease)
FL	39z	WDZL	Miami	(move 3km SW; moderate power and tower height increases)
FL	22+	W22CB	Panama C.	(from W46AN, channel 46)
IL	28-	WOCH-LP	Chicago	(move from channel 4, 12km ESE from 4949 W. Belmont to the Hancock Center)
MO	48z	K48FS	Kansas City	(from channel 29, bumped by KCWB)
OH	53-	W53AX	Cleveland	(move 35km WSW, minor power decrease)
TX	41+	KWEX-TV	San Antonio	(move 26km ESE, major power increase and huge tower height increase)

## NEW STATIONS ON THE AIR

Call:	Ch:	Location:	Power & HAAT:	Coordinates:
K69HN	69z	Silcam Springs, AR	16.7KW	36-09-06N/ 94-30-56W
KDEN	25z	Longmont, CO	5000KW/325m	40-05-47N/104-54-04W
W39BZ	39+	Lake City, FL	1KW	30-07-44N/ 82-52-49W
K66FI	66-	Opelousas, LA (TBN)	15KW	30-36-41N/ 92-08-22W
WLNC	28-	New Bedford, MA (WB)	5000KW/229m	41-46-39N/ 70-55-41W
W66CL	66+	Bangor, ME	1.16KW	44-45-36N/ 68-33-59W
W29BJ	29+	Burlington, NY	10.7KW	42-42-50N/ 75-08-45W
W27BO	27z	Pomeroy, OH	5.69KW	39-02-09N/ 82-01-26W
W32BJ	32+	Beaufort, SC	16.6KW	32-24-05N/ 80-44-21W
K59FX	59z	Albany, TX	14.7KW	32-42-39N/ 99-25-17W
KPCB	17-	Snyder, TX	468KW/135m	32-46-52N/100-53-52W
W62CN	62+	Hampton, VA	20KW	36-51-19N/ 76-18-10W

## NEW STATIONS ON THE AIR

Reports on the Internet suggest XHTJB-3 Tijuana will be on the air by the time you read this. They also suggest it'll relay XEIPN-11 instead of XHGC-5. If true, this would be the first XEIPN transmitter outside Mexico City. This should be a prominent skip target for Western DXers.

## STATIONS DELETED/DISMISSED/ETC.

St	City	Call	What happened
CA	Redding	K26CO	Extension of CP denied.
UT	Panguitch	K16DY	CP cancelled.

## CALL CHANGES

Was:	Location:	Now:	Location:	Now:
WCFT-33	Tuscaloosa, AL	WEMA-33	New-11	Pendleton, OR
new-3	Tijuana, BN	XHTJB-3	WPCB-40	Greensburg, PA
K36EL	Bakersfield, CA	KBFK-LP	WQEX-16	Pittsburgh, PA
KCEC-LP(27)	Pueblo, CO	KGHB-LP	WSJU-18	San Juan, PR
W04CX	Fort Pierce, FL	WOCH-LP	WBNU-36	Charleston, SC
K17DX	Natchitoches, LA	KNTS-LP	New-36	Sioux Fls, SD
New-19	Santa Fe, NM	KAUO-19	K42DU	Lufkin, TX
W17BM	New York, NY	WEBR-LP	K48DP	KLNM-LP
				KTPN-LP

The Alabama change might actually apply to WJSU-40 Anniston, which simulcasts channel 33. These are the stations that made the news for refusing to carry the "coming out" episode of "Ellen". The news releases gave these calls, but didn't say which channel they applied to. The FCC database still says WCFT and WJSU.

## PROGRAMMING CHANGES

K69HN	Siloam Springs, AR:	new, KPBI-LP-46 (Fox) translator
XHTJB-3	Tijuana, BN:	to relay XEIPN-11 instead of XHGC-5?
K31DN	California City, CA:	to Kaleidoscope
KVYE-7	El Centro, CA:	to be Univision when built
KKAG-61	Porterville, CA:	to INTv/Worship
K36DB	Sweetwater Creek, CO:	from KCNC-4 to "Vacation Channel"
W21AU	Orlando, FL:	sold to Hispanic company
WB5V-62	Venice, FL:	to Global home shopping
K22CQ	Monroe, LA:	from The Box to religion
K66FI	Opelousas, LA:	new, TBN
WB5X-31	Ann Arbor, MI:	from Home Shopping Net to INTv
WMKG-40	Muskegon, MI:	to FamilyNet
KVEM-45	Minneapolis, MN:	These two MN stations have merged ownership.
KXLT-47	Rochester, MN:	sold to KMIZ-17 (ABC/Fox)
K02NO	Columbia, MO:	sold to KMIZ-17 (ABC/Fox)
K11TB	Jefferson City, MO:	to KWYB-18 (ABC) translator
K28FB	Bozeman, MT:	new, Telemundo
K52FF	Reno, NV:	new, KEZI-9 (ABC) translator
K04OS	Reedsport, OR:	to INTv (see Call Changes)
WPCB-40	Greensburg, PA:	to Cornerstone religious
WQEX-16	Pittsburgh, PA:	to be INTv when built
WSWB-64	Scranton, PA:	new, WUBI-34 (UPN) translator
W32BJ	Beaufort, SC:	from WB to UPN
WMMF-36	Charleston, SC:	to Global home shopping
WPMC-54	Jellico, TN:	new, KIDY-6 (Fox) translator
K59FX	Albany, TX:	to Global home shopping
KNWS-51	Katy, TX:	to Global home shopping
new-55	Lake Dallas, TX:	to Global home shopping
KHCE-23	San Antonio, TX:	to TEN
KPCB-17	Snyder, TX:	new, TEN
WVVI-66	Manassas, VA:	from Valuevision to INTv/Worship
WSHE-60	Martinsburg, WV:	from INTv/Worship to ?? (sold to "DP Media")

See Forum for more information on channel 55 in Lake Dallas. In the Pittsburgh area, WPCB-40 is moving to channel 16. It will then sell its channel 40 facility to Paxson (INTv) for \$35million, and turn over half that money to WQEX's former owners. (who will still run WQED-13)

## OTHER STUFF

I'm introducing a new symbol in this column this month. The caret (^) symbol indicates a digital TV station. Since DTV stations have no offset, this symbol will appear where the offset would go.

## OTHER STUFF

The Canadian trade magazine *BT* indicates new CIVT-42 Vancouver has also been granted a rebroadcaster in Victoria. I've seen nothing on this, and the CRTC database is no longer available on the Internet (at least not where I last found it) so can't look it up there. CIVT itself is expected on the air in September. In Quebec, the switch of CKMI-5 to Global (and the signon of its transmitters on channel 67 at Montreal and channel 11 at Sherbrooke) is also scheduled for September 1. This would imply a new station (relaying CBMT-6) would sign on in Quebec City at the same time. I haven't seen a channel or power for that operation though. Finally, the new "A-Channel" stations in Alberta also expect to sign on in September. These are channels 2, 5, 20, and 51; maybe someone will see one on late-season skip?

The U.S. and Mexico have signed a "memorandum of understanding" on the subject of digital TV. The two countries plan to assign a second channel for all existing TV allotments. (this has already been done on the U.S. side; it will now also be done in Mexico.) This agreement also establishes distance separations for DTV allotments, and establishes a 275km zone on either side of the border where DTV allotments are subject to international consultations. The FCC is now concentrating on concluding a similar agreement with Canada.

I've had to condense the type & drop some of the LPTV information this month - the column was just getting too big! The FCC has deleted the NTSC Table of Allocations to allow for DTV; it looks like they don't plan on issuing any more construction permits for new NTSC stations. However, they were supposed to begin accepting DTV applications on May 1. So far, I haven't seen any, but I expect them by the end of the summer. Not only will the DTV applications themselves appear in the Public Notices (and this column), but so will many modifications to NTSC facilities triggered by DTV. As many as half of all existing stations will have to move their NTSC transmitting antenna on their existing tower, replace it with a shorter antenna (which will change both their ERP and HAAT), or in situations where they're leasing tower space from another station, they'll often have to move to a totally new tower.

## FORUM

John Lentz, Muskego WI:

Neil Kazaross, suburban Chicago IL:

Bill Draeb, Keweenaw WI:

All three of these members have seen WOCH-LP Chicago on its new channel. With 47KW at 357m HAAT, (on the John Hancock Center) this station has as much coverage as many full-license stations. John says he's seeing it with The Box music videos parallel to WMKE-LP channel 8 in Milwaukee. Bill has seen The Box, and also a blank screen with ID supered. And Neil is seeing ethnic programming - mostly in Korean - in the evenings. This station should be a good target for lake tropo.

John Lentz also had a few comments about digital. He writes, "I think once the changeover is complete, thus so it ends TV DX'ing. I believe there is also a plan to change FM over to digital. Once that's over, thus also ends the FM DX hobby and will probably end the WFTDA club as well since there will no longer be TV and FM DX." John wrote before the "DTV Q&A" appeared in the *VUD*; I'm hoping I've changed his mind! Seriously, I hear a lot of DXers expressing doomsday sentiments about digital being the end of DX. I believe digital will no more end VHF/UHF DX than the elimination of the 250-watt minimum for night operation of AM stations eliminated AM DX. Digital DX will be different, and in some ways more difficult, but it'll be there, and in some ways it'll actually be easier.

Chip Kelley, Dallas TX:

"Global Shopping, in its buying spree to start another shopping network, is buying news KNWS-51 Katy/Houston. Apparently, the actual switch date will be in June. KNWS has let go all its news anchors and is dropping all the local news in favor of just using ANC and Bloomberg's feeds until the change occurs." Chip also says the owners who are selling KNWS are the same people behind the new licensee of channel 55 at Lake Dallas. KLDT has, in fact, lost its license renewal, but the license doesn't expire until August. It's still on the air with Shop-At-Home. According to Chip, the original plan was to have the Dallas station also be an all-news operation, sharing programming with KNWS. However, the Houston operation wasn't profitable, and infomercials were being folded into the programming mix.

Neither Chip nor myself know why KLDT was "un-renewed". When it was controlled by a well-known national preacher, the minister's staff was caught discarding unopened mailed prayer requests. However, I don't think that's grounds for non-renewal of a broadcast license. Chip says there was some question about the true ownership of the station, whether it was truly controlled by the woman whose name appeared on the license, or by her son. That's a more likely ground for non-renewal. At this time, the new station still hasn't acquired the old KLDT facilities; their CP still calls for construction of a totally new station.

## Robert Grant, Detroit MI:

Construction hasn't yet started on WWJ-62's plans for new studio facilities or the new transmitter. (Robert, the answer to your question about WWJ is above under "changes granted". The coordinates given aren't the same as WWJ-AM, but they're very close and definitely on the same premises.) Robert believes the station is still being operated by remote control from NYC by satellite!

The slow upgrade has spurred a variety of rumors about CBS's future in the market. One suggested CBS would buy WKBD-50, which already has a news department and a larger tower. Another suggested the network would purchase Post-Newsweek's stations including WDIV-4. The most exotic rumor was that CBS would trade WCBS-2 to Post-Newsweek for WDIV, then have Post-Newsweek sign a 10-year CBS affiliation contract for WCBS! Robert doesn't believe there's anything to the latter rumor, and I fully agree! To be honest, I don't think there's much to the other two either.

When WGPR-62 became WWJ-62, the ethnic programming it used to carry was supposed to end up on Dearborn LPTV W68CH. Robert isn't seeing even a carrier on this channel, and asks "I assume the CP has been cancelled (has it?)". Yes, the CP was cancelled on March 12 of last year, but a petition for reconsideration was filed last April 10. The FCC still hasn't acted on that petition, so W68CH is not yet dead.

Going down to Florida, he comments on "fake channel" IDs in the Fort Myers market. You've probably read about WZVN-26, which calls itself channel 7 in all logos and IDs. Robert says WBH-20 there is doing the same thing. Their cable channel is 2, and their IDs use a "2" logo in a red square, with the NBC peacock.

## Roy Barstow, Teaticket MA:

Roy has some info on a number of stations in his area.. Starting on WOST-69; Roy called the station. He was told the station is currently operating only four hours a day (just enough to keep its license) - apparently the owners don't even care which four hours. A sale to - you guessed it - INTv is being discussed. On to WLWC-28; Roy has been unable to find any telephone listing for this station. However, while testing the week prior to its regular-schedule signon (April 7), Roy noticed many different test patterns - including color bars with a WJAR-10 ID. Their newscast (wow; not many WB affiliates have local news!) is promoted on WJAR, and the monitors on the set show WJAR programming. I have read that WLWC is operated by LMA to someone, and now I think we know who! Finally in the new-stations department, WHCT-18 is operating "bankers hours", 9am-5pm only, with Worship. This station's license is still in dispute at the FCC, with claims that a fraudulent claim of minority control was made to save it from a license challenge years ago.

Now for the "it doesn't have a license" department.. Roy is still seeing the station from Elizabeth City State University (North Carolina) on channel 18. The station airs scrolling text of university information, with audio from WRVS-FM 89.9. It IDs about every 10 minutes as W18BB, and Roy sent a photo of ID color bars showing those calls. Problem is, W18BB is no longer in the FCC Database! It does appear in the 1995 TV Factbook, but it hasn't been in the database since the first of the year. It should be said, that the FCC has been known to "lose" stations before - stations that actually held valid licenses have simply disappeared from the database. As the Factbook says W18BB began operation in 1993, its license can't have expired, so either it never applied for an operating license or the FCC indeed "lost" this station.

Another mystery is a "WPEN" on channel 24. There is a WPEN-LP on channel 68 in Hampton, VA. (formerly W68BI, Driver) Roy called WPEN (757-722-9736) and was told they operate channel 68, a channel 51 (W51BH Gloucester), and a channel 62. (W62CN Virginia Beach) They know nothing about channel 24. (nor did the person he spoke with know about the application WPEN-LP's owner has filed for a new station on channel 21 at Virginia Beach. However, she did tell Roy they're taking over WJCB-49 Norfolk. This station has an application for a substantial power increase, and they told Roy they expect it to be on the air by November. There are an awful lot of applications for channel 21, and I guess WPEN figured they didn't stand much of a chance<grin>.)

I speculate this is another case of "phantom translators", much like Roy's reception of WTVD-11 on channel 37 last year. Translators exist at two sites in eastern Virginia, repeating the four major Norfolk stations. One of these translators, W52AB Craddockville, translates WHRO-15 onto channel 52. A second translator, W25AA Onancock, translates WHRO-15 onto channel 25. My speculation is that W25AA doesn't actually receive WHRO-15 directly, but rather on channel 52 from W52AB. If this were the case, then a strong channel 51 signal (for example, from W51BH, which is really quite close to Onancock) could also be translated the next channel down - and come out on channel 24. If this is in fact the case, one should also expect the other three Onancock translators to be capable of phantoming. W25AA could translate channel 51 and 53 signals to channels 24 and 26 respectively; W41AC could translate channels 62 and 64 to channels 40 and 42; W44AD could translate 57 and 59 to 43 and 45; and W60AL could translate 67 and 69 to 58 and 61. Yes, this could be very confusing! Just because a translator is listed as carrying a particular station doesn't mean you won't catch it translating something else, possibly even on the wrong channel!

73 Doug

## DTV Q&A & CHANNEL LIST

Doug Smith, TV News editor

Karl Zuk of suburban New York had a few comments about DTV Q&A as it appeared in the May *VUD*. Karl has first-hand experience with DTV as an engineer with CBS, operators of WCBS-HD channel 33. Addressing some of the specific questions, and quoting Karl:

"What do you see with an analog TV? You have to have sharp eyes and a old analog tuner. The DTV signal looks like a just above noise level slightly different pattern of snow. The center frequency is actually the center of the channel, so if you have a digitally tuned TV, you won't be able to see anything."

I totally forgot about that! Modern digitally-tuned TVs lock on to the visual carrier of the station. DTV stations don't have visual carriers. Another reason to avoid those blue-screen muting receivers!

"I really doubt the first DTV tuners will have a frame store to capture the last good frame. That kind of technology is still reserved for devices like broadcast quality frame synchronizers."

Karl may well be right about the first DTV receivers. However, I'll be surprised if they wait very long before introducing frame stores. The cost of digital memory chips has plummeted lately. And I'm seeing a growing number of low-cost consumer devices containing at least crude frame stores. The "Snappy" modules sold for capturing TV pictures into a PC are a good example. It's not high-definition, but it's not bad either!

"Noise, like lightning, will definitely interrupt the signal. You'll see it go to black if it's over a certain duration dependent on the redundancy of the data."

True, but probably at a considerably higher strength than is necessary to generate annoying speckles in an analog picture. And until the noise becomes strong enough to cause the picture to go black, you won't see it at all.

The DTV allocation table has now been released. It's too long to print in one part. It'll appear in installments over the next few months. Each new channel listed in this table is assigned for the exclusive use of the station listed. However, two stations may voluntarily swap assignments as long as short-spacing regulations aren't violated.

Channels 2-46 or 7-51 are "core spectrum". Judging from some of the allocations in this table, I would say the FCC is probably going to choose the first option. Stations operating outside this "core spectrum" will have to change channel again when the conversion to DTV is complete in the year 2006.

To create this table, the FCC deleted all unused assignments in the old Table of Allocations. In fact, the old Table is now completely gone and useful only as a piece of history. It appears that most of the new-station applications filed early this year were also ignored in creating this table; those applications don't appear here. The FCC does appear to have assigned a DTV channel for every NTSC channel assigned in Alaska and Hawaii, whether that channel is in use (or even applied for) or not.

Anyway, here goes:

### DTV Channel 2:

Sitka Ak	KTNL	13
Gd. Jctn. Co	KREX	5
Tallahs. Fl	WTWC	40
Kalamazoo Mi	WWMT	3
Butte Mt	KTVW	6
Las Vegas Nv	KVBC	3
Elmira Ny	WEYM	18
Cleveland Oh	WKYC	3

### DTV Channel 3:

Bethel Ak	KYUK	4
Key West Fl	WEYS	22
Chicago Il	WBMM	2
Roanoke Va	WBRA	15

### DTV Channel 4:

Ft. Wayne In	WANE	15
Danville Ky	WDKY	56
Portland Me	WPXT	51
Albany Ny	WXAA	23
Bnghtmn. Ny	WMGC	34
Pendleton Or	<Cp>	11
Hrsbg. Pa	WHP	21

### DTV Channel 5:

Hartford Ct	WTIC	61
Ensign Ks	KBSD	6
Kalamazoo Mi	WGKV	52
Toledo Oh	WLMB	40
La Grande Or	KTVR	13
Conroe Tx	KTFH	49

### DTV Channel 6:

Christiansted Vi		
New	27	

### DTV Channel 7:

Juneau Ak	KTOO	3
New Haven Ct	WBNE	59
Wash. Dc	WTTG	5

### DTV Channel 8:

Fresno Ca	KAIL	53
Gd. Jctn. Co	KJCT	8
Tampa Fl	WFLA	8
Cochran Ga	WDCC	29
Lihue Hi	21	
Beattyvyl Ky	WLJC	65
Gd. Rdps. Mi	WOOD	8
Las Vegas Nv	KLAS	8
Bnghtmn. Ny	WBNG	12
Sioux Fls Sd	KTTW	17
Lander Wy	KGWL	5

### DTV Channel 9:

Dinghm. Ak		
Mobile Al	WALA	10

### DTV Channel 10:

Fresno Ca	KFSN	30
Id. Fls. Id	KIFI	8
Ipls. In	WISH	8
Hazleton Pa	WWLF	56
Greenvl. Sc	WNTV	29
Amarillo Tx	KFDA	10
Dallas Tx	WFAA	8
St. George Ut		
Rawlins Wy	KFNR	11

### DTV Channel 11:

Ketchikan Ak		
Co Sprs. Co	KKTV	11
Steamboat Springs Co		
New Haven Ct	WTNH	8
Orange Pk Fl	WJXX	25
Atlanta Ga	WXIA	11
Caldwell Id	KNIN	9
La Salle Il	WWTO	35
Greenvl. Nc	WNCT	9
Santa Fe Nm	KCHF	11

### DTV Channel 12:

Juneau Ak	KJUD	8
Eureka Ca	KEET	13
Hartford Ct	WFSB	3
Daytona Beach Fl		
Lafayette In	WLFI	18
New Orl. La	WYES	12
Gd. Rapids Mi	WGUV	35
Billings Mt	KULR	8
Las Vegas Nv	KLVK	10
Columbus Oh	WBNS	10
Bend Or	KOAB	3
Wilkes-Barre Pa	WBRE	28
S Angelo Tx	KLST	8
Madison Wi	WMSN	47
Cheyenne Wy	KKTU	33

### DTV Channel 13:

Little Rock Ar		
KTHV		11
San Jose Ca	KNTV	11
Waterbury Ct	WTXX	20
Key West Fl	WWFD	8
Tampa Fl	WTVT	13
Lihue Hi	8	
Angola In	WINM	63
Hazard Ky	WYTM	57
Jefferson City Mo	KRCG	13
Calais Me	WMED	13
Bad Axe Mi	WUCX	35
Worthington Mn	KSMN	20
Sedalia Mo	KMOS	6
Butte Mt	KXLF	4
Glendale Mt	KGNX	5
Rocky Mt Nc	WRMY	47
Minot Nd	KMCY	14
Pembina Nd	KNKR	12
Bassett Ne	KMNE	7
Mansfield Oh	WMPD	68
Berlin Nh	WEBB	40
Frmngtn Nm	KOBF	12
Coll. Stn Tx	KAMU	15
Martinsburg Wv		
Renovo Nv	KNPB	5
WSHE	60	

### DTV Channel 14:

Florence Al	WOWL	15
Montgmy. Al	WAIQ	26
Hot Sprs. Ar	KVTH	26
Phoenix Az	KNXV	15
Fresno Ca	KJEO	47
Redding Ca	KRCR	7
Gd. Jctn. Co	KKCO	11
Orlando Fl	WZVY	27
Ottumwa Ia	KYUO	15
Bloomington In	WTIU	30
Goodland Ks	KBSL	10
Somerset Ky	WKSY	29
N. Orl. La	WHNO	20
Bangor Me	WVII	7
Cheboygan Mi	WTOM	4
Detroit Mi	WGRD	50
Alex. Mn	KSAX	42
Kansas C. Mo	KMBC	9
St. Louis Mo	KLIC	24
Helena Mt	KTVH	12
Burl. Nc	WAAP	16
Jamestown Nd	KJRR	7
Williston Nd	KXMD	11
Hastings Ne	KHNE	29
Buffalo Ny	WUTV	29
N. Pole Ny	WPTZ	5
Columbus Oh	WCNH	4

### DTV Channel 15:

Jaxnvl. Fl	WTLV	12
W Plm Bch Fl	WPCE	12
Alpena Mi	WBKB	11
Miles C Mt	KYUS	3
Columbus Oh	WSYX	6
Scranton Pa	WYOU	22
Prov. Ri	WPRI	12
Weslaco Tx	KRGV	5

### DTV Channel 16:

Florence Al	WQOW	18
E Claire Wi	WQOW	18
Casper Wy	KGWC	14

### DTV Channel 17:

Montgmy. Al	Wcov	20
Yuma Az	Kswt	13
Eureka Ca	Kiem	3
Fresno Ca	Ksee	24
Denver Co	Kusa	9
Gd. Jctn. Co	Krmj	18
Gainesvl. Fl	Wbjc	20
Tequesta Fl	Wpbf	25
Dalton Ga	Welf	23
Macon Ga	Wxga	24
Wailuku Hi	Kogg	15
D Moines Ia	Kdsm	17
Orlando Fl	Kmvt	11
Rockford Ia	Wtwo	17
Ipls. In	Whmb	40
Hays Ks	Kood	9
Bowling Green Ky		
St. Louis Mo	KLIC	24
Hebron Mt	Wknt	40
Hazard Ky	Wkha	35
Lafayette La	Kadrn	15
Hagerstown Md	Wjal	68
Williston Nd	KXMD	11
Hastings Ne	KHNE	29
Presque I Me	Wagm	8
Flint Mi	Wsmh	66
St. Paul Mn	Ktci	17
West Pt Ms	Wlov	27

### DTV Channel 18:

Bismarck Nd	Kbmy	17
Norfolk Ne	Kxne	19
N. Platte Ne	Kpne	9
Albu. Nm	Krge	13
Las Vegas Nv	Kinc	15
Rochester Ny	Wxxi	21
Okla. C. Ok	Koco	5
Erie Pa	Wsee	35
Florence Sc	Wpde	15
Rapid C. Sd	Kclo	15
El Paso Tx	Kdcb	4
S. Angelo Tx	Kacb	3

<b>DTV Channel 18:</b>	Manitowoc Wi Wthx 16	Prov. Ri WSBE 36	<b>DTV Channel 23:</b>	Albu. Nm KLRK 24	Nashville Tn WKRN 2
Bowling Green Ky	Wkyu 24	Pierre Sd KTSD 10	Syracuse Ny WCNY 24	C Christi Tx KORO 28	
Lawrence Ma	Wmpf 62	Charlestown Wv Wvah 11	L Cruces Nm KRWG 22	Houston Tx KTRV 26	
Calumet Mi	Wbpx 5	Amarillo Tx KACV 2	Reno Nv KOLO 8	Llano Tx KXAM 14	
Univ Ctr Mi	Wucm 19	Front Royal Va	Norwood Nw WNPI 18	Lubbock Tx KACM 28	
Bemidji Mn	Kawe 9	Austin Tx KXAN 36	Smithtown Ny WHSI 67	S Lake C. Ut KUZJ 14	
Kansas C. Mo	Kcpt 19	Beaumont Tx KFDM 6	Lawton Ok KSWO 7	Menomonie Wi WHWC 28	
Poplar Bluff Mo	Kpob 15	Front Royal Va	Lancaster Pa WLYH 15		
Bude Ms	Wmau 17	Florence Al WYVE 42	Memphis Tn WPTY 24		
Billings Mt	Ksvi 6	Florence Al WYVE 47	El Paso Tx KINT 26		
Dickinson Nd	Kqcd 7	Suring Wi WSCO 14	Lubbock Tx KPTB 16		
Hayes Ctr Ne	Kwnb 6	Sheridan Wy KSGW 12	Richmond Va WTVR 6		
New Brunswick Nj	Wnjb 58	Little Rock Ar	Nashville Tn WNAB 58		
Spfld. Oh	Wtjc 26	Miami Fl WDLZ 39	Galveston Tx KLTJ 22		
Enid Ok	Kafu 20	Atlanta Ga WTBS 17	Killeen Tx KAkw 62		
Bend Or	Ktvz 21	Pelham Ga WABW 14	Odessa Tx KPEJ 24		
Roseburg Or	Kroz 36	Wailuku Hi KWHM 21	Green Bay Wi WEAY 2		
Greenwood Sc	Wnch 38	Hays Ks KBSh 7	Huntingtn Wv WSAZ 3		
Myrtle Bch Sc	Wfxb 43	El Centro Ca KXLO 7			
Brookings Sd	Kesd 8	Co Sprs Co KXRM 21			
Rapid C. Sd	Kevn 7	Miami Fl WFOR 4			
C Christi Tx	Kzvt 10	Orlando Fl WOFL 35			
Eagle Pass Tx	Kvaw 16	Tallahas. Fl WTXL 27			
El Paso Tx	Ktsm 9	Athens Ga WGTV 8			
Wtvc 21	Wmem 10	Hilo Hi KHBC 2			
Nacogdoches Tx	Battle Ck Mi WOTV 41	Honolulu Hi KHON 2			
Klsb 19	Austin Mn KSMQ 15	Nampa Id KIVI 6			
Roanoke Va	Wdbj 7	Decatur Il WFHL 23			
St. Johnsbury Vt	Wwtb 20	Gt Bend Ks KSNC 2			
Tacoma Wa	Kcpq 13	Baton Rouge La			
Casper Wy	Kfnb 20	WLPB 27			
<b>DTV Channel 19:</b>	Jackson Ms WMPN 29	New Bedford Ma			
Demopolis Al Wliq 41	Bozeman Mt KUSM 9	WLWC 28			
Kingman Az Kmch 6	Columbi Nc WUND 2	Orono Me WMEB 12			
Tucson Az Kktu 18	Dickinson Nd KDSE 9	Bay C. Mi WNEM 5			
San Diego Ca Kswb 69	Ellendale Nd KRE 19	Iron Mtn. Mi WDHS 8			
San Fran. Ca Kofy 20	Omaha Ne KETV 7	Mpls. Mn KLGT 23			
Sta Maria Ca Kcoy 12	Clovis Nm KVII 12	Cape Girardeau Mo			
Denver Co Ktvd 20	Las Vegas Nv KUPN 21	KBSI 23			
Jaxnvl. Fl Wtvc 47	Lima Oh WLIO 35	Columbia Mo KMIZ 17			
Lakeland Fl Wwbb 32	Youngstn Oh WFMJ 21	Charlotte Nc WCNC 36			
Miami Fl Wpbt 2	Saline Or KBSP 22	Bismarck Nd KBME 3			
Panama C. Fl Wmbb 13	Florence Sc WWMB 21	N. Platte Ne KNOP 2			
Atlanta Ga Wgnx 46	Martin Sd KZSD 8	Omaha Ne WOFT 6			
Hilo Hi 4	R Gde C. Tx KAO 40	Camden Nj WNJS 23			
Honolulu Hi Kiku 20	San Antonio Tx	Reno Nv KAME 21			
D Moines Ia Who 13	KLRN 9	Garden C. Ny WLIW 21			
Chicago Il Wgn 9	Sherman Tx KXII 12	Tulsa Ok KOKI 23			
Olney Il Wusi 16	Sweetwtr Tx KTXS 12	Coos Bay Or KMTZ 23			
Ft. Wayne In Wkjg 33	Waco Tx KCTF 34	Erie Pa WFXP 66			
Hutch. Ks Kwch 12	Lynchburg Va WJPR 21	Huron Sd KTTM 12			
Campbellsville Ky	Christiansted Vi	Rapid C. Sd KOTA 3			
Wgrb 34	Jaxnvl. Tx KETK 56	Austin Tx KLRE 18			
Monroe La Klrm 13	Pasco Wa KEPR 19	C Christi Tx KEDT 16			
Boston Ma Wgbh 2	Madison Wi WHA 21	Jaxnvl. Tx KETK 56			
Bangor Me Wabi 5	<b>DTV Channel 21:</b>	Odessa Tx KOCV 36			
Gd. Rdps Mi Wxmi 17	Dothan Al WDHN 18	Wich Fls Tx KAUZ 6			
Spfld. Mo Kspr 33	Ft. Smith Ar KHBS 40	Petersbg Va WRIC 8			
Butte Mt Kwyb 18	Sacto. Ca KFWB 31	Milwaukee Wi WVCY 30			
Hardin Mt Kmht 4	Fort Collins Co	<b>DTV Channel 23:</b>			
Lexington Nc Whbx 20	KFCF 22	Phoenix Az KSAZ 10			
Dickinson Nd Kxma 2	Clearwr Fl WLCF 22	Cotati Ca KRCB 22			
Fargo Nd Kvrr 15	Miami Fl WCTD 35	29 Palms Ca KVMD 31			
Gd. Isl. Ne Ktvrg 17	Atlanta Ga WPBA 30	Glenwood Springs Co			
Scottsbluff Ne	Hilo Hi KXAW 11	KREG 3			
Kduh 4	Chicago Il WYCC 20	Sterling Co KTVS 3			
Carlshad Nm Koct 6	Macomb Il WMEC 22	Orlando Fl WMFE 24			
Syracuse Ny Wsyt 68	Mt Vernon Il WCEC 13	Columbus Ga WJSP 28			
Toledo Oh Wtvg 13	Ipls. In WYFI 20	Savannah Ga WJCL 22			
Roseburg Or Kpic 4	Wichita Ks KAKE 10	Hilo Hi KWHH 14			
Ponce Pr Wkpv 20	Morehead Ky <cp> 67	Honolulu Hi KFVE 5			
Fargo Nd Kvrr 15	Salisbury Md WBDC 16	Pocatello Id KPVI 6			
Gd. Isl. Ne Ktvrg 17	Detroit Mi Wxon 20	Moline Il WQPT 24			
Scottsbluff Ne	Mpls. Mn WFTC 29	Lakin Ks KSWK 3			
Carlshad Nm Koct 6	St Joseph Mo KTAJ 16	Topeka Ks KTWU 11			
Syracuse Ny Wsyt 68	Jackson Ms WAPT 16	Lafayette La KLPB 24			
Toledo Oh Wtvg 13	Charlotte Nc WCCB 18	Shrevept. La KLTS 24			
Roseburg Or Kpic 4	Greenvl. Nc WYDO 14	Marlborough Ma			
Ponce Pr Wkpv 20	Fargo Nd WDAY 6	WHSH 66			
Pierre Sd Kpny 4	Hastings Ne KHAS 5	Spfld. Mo KOZK 21			
Amarillo Tx Kamr 4	Albu. Nm KOAT 7	Hattiesbg Ms WHLT 22			
Ft. Worth Tx Ktvf 11	Kingston Ny WRNN 62	Charlotte Nc WBTW 3			
Houston Tx Ktxh 20	Watertown Ny WWTI 50	Greenvi. Nc WUNK 25			
Laredo Tx Kido 27	Coos Bay Or KCBY 11	Bismarck Nd KXMB 12			
S. Angelo Tx Kidy 6	San Juan Pr WSJN 24				
Portsmouth Va	Wgnt 27				
Staunton Va Wpvt 51					
Bellingham Wa Kbcb 24					
Centralia Wa Kcka 15					
Madison Wi Wmtv 15					

JUNE 1997

Many of the items listed in this column are taken from the publication:  
**M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479**  
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**KEY:**  
 &: satellite programming  
 AF: new freq. allocation accepted for filing  
 for a new FM license  
 AFA: American Family Association  
 CC: call change/new calls assigned  
 CL: city of license change granted  
 CO: new xmtr co-ordinates  
 CX: a CP has expired, and is cancelled  
 C1,C2, etc: change in class status  
 DA: directional antenna  
 DE: calls deleted, license returned to FCC  
 FC: station format change

GA: granted amendment to table of FM allocations  
 GE: station was granted extension of a CP  
 GX: granted replacement of expired CP  
 LC: filed for license to cover (for new stn.)  
 MC: multiple-city legal ID  
 NC: no change yet, on a reported pending grant/change.  
 ND: non-directional  
 NO: station is not on the air  
 NS: a new station granted a license  
 OSA: one-step application  
 NW: new station signs on the air  
 PA: proposed amendment to change table of allocations  
 PC: a power change (increase)

PG<: a power change (decrease)  
 PG>: power change granted (increase)  
 PG<: power change granted (decrease)  
 QC: frequency change for this station  
 QG: frequency change granted  
 RA: station returns to the air  
 RE: station requests extension of a CP  
 RX: station requests re-instatement of an expired CP  
 SG: slogan change or update  
 SI: station is silent  
 XA: dismissed amendment to the table of FM allocations  
 XC: station changes xmtr site  
 XG: station granted a transmitter (xmtr) site change



## UNITED STATES

### ALABAMA:

Abbeville: WIZB 94.3 FC to cont.Christian (&) Arab: WCRQ 92.7 PC> 800w, 623 ft. Birmingham: WLJR88.5 NO-GE Birmingham: WZRR 99.5 FC to classic hits Brewton: WGJY 90.9 NO-GE Demopolis: WZNJ106.5 FC to WW1 oldies (&) Dora: WZJT 92.5 CC (NS), PG < 2.2 kW, 548' XG: 33-38-55 / 87-09-19 Luverne: WMHS104.3 CC (ex WDHT) St.Florian: \*\*\* 102.7 PA: add class A Tuscaloosa: WTR105.5 CC (ex WACT) is now // WQEN 103.7 mornings ("Rick and Bubba") Tuscaloosa: \*NS 88.9 AF (Moody Bible Inst.) Tuscaloosa: W247AH 97.3 NS-10w: WZRR 99.5 Union Sp's: WSFU 94.1 RA with black gospel // WBIL AM 580 Tuskegee

### ALASKA:

Chevak: KCUK 88.1 CX CP for 6 kW (h), 276 ft. Fairbanks: KUAC 89.9 QC from 104.7, PC> 38 kW, 1660 ft.

### ARIZONA:

Bisbee: KRMB 90.1 NO-GE Flagstaff: KJTA 89.9 NO-GE, PG> 11.5 kW, 1420' XG: 34-58-08 / 111-30-28 Hotovolta: \*NS 89.1 AF (Hopi Foundation) Nogales: KOFH 91.1 CC (ex KAUAH) Parker: KVEZ 99.3 PC> 10 kW, 941', class C2 Payson: \*\*\* 99.3 PA: add class A Payson: \*NS 101.1 88 kW, 1033 ft. Phoenix: KLSZ 99.9 inc. to 1702 ft. Show Low: KAUL 90.7 CC (NS) Winslow: KFMR 95.1 PG> 100kW (cir), 1460 ft

XG: 34-58-05 / 111-30-28

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 TIP DEADLINE - The 10th

## FMNEWS

### California:

Laytonville: K241AH 96.1 NS-10w(v): KPRA 89.5 Long Beach: KLON88.1 PG> 35 kW, DA, class B Los Altos: KFJC 89.7 PC< 110w, 1843 ft. Los Angeles: KOST103.5PC< 4.2 kW, 2814 ft. Los Angeles: KLSX97.1 FC to adult alternative (still with talk during the week)

Marysville: KSXX 99.9 FC to regional Mexican // KLOK 99.5 (Sacramento)

Orange Cove: KMAK 100.3 FC to religion // KDNO 98.5 Delano (Fresno)

Quincy: KNLF 95.9 NW, cont. Christian (AFA) (&) Rancho Mirage: KMRJ 99.5 PG to 3 kW, 328 ft. XG: 33-52-15 / 116-13-37

Riverside: KSSE 97.5 FC to Spanish hits (L.A.) CC (ex KVAF), SG "Super Estrella FM"

Sacramento: KZZO100.5 CC (ex KQPT) "The Zone"

San Diego: KXGL 94.1 dec. to 617 feet

San Diego: KIOZ 105.3 adds Howard Stern

San Luis Obispo: KKJG 98.1 PC< 4.5 kW, 1519 ft XG: 35-21-40 / 120-39-21

San Mateo: KCSM 91.1 PC< 11.5 kW, 371 ft.

Santa Paula: KXBS96.7 FC to regional Mexican

Santa Ynez: KRAZ105.9CC (ex KAGA)

Seaside: K291AE106.1NS-15w(v): DA: KISE-FM

Shafter: KGZO 91.9 PG< 45 kW

Shingle Sps: KSSJ101.9PC> 47 kW, 505 ft, class B XG: 38-51-12 / 120-56-23

Susanville: KHQJ102.1 RA with ABC Hot AC (&) PA: to 101.7, class C3

Tahoe City: KRZQ96.5 PG> 6.1 kW, 2962 ft. XG: 39-18-38 / 119-53-01

Tipton: KCRZ104.9 CC (ex KZZC), "Cruisin' 104.9"

Tulare: K217CO91.3 NS-10w: KLVM 89.7 CA

Turlock: KCSS 91.9 PC> 150w, 49 ft.

Wasco: K219DF 91.7 NS-50w: WAER 88.3 MS

Weed: KWHO102.3 FC to WW1 a/c (&)

W.Covina: KRTO 98.3 FC to R&B oldies // KACE

Winsdor: \*NS 104.1 250w, 1105 ft.

### COLORADO:

Cortez: KISZ 97.9 FC to country

Eckley: \*\*\* 95.3 PA: add class C1

Grand Jct: KJYE 92.3 FC to soft AC

Grand Jct: KAFM 88.1 NO-GE

Ignacio: KUTE 90.1 CC (NS)

Julesburg: \*NS 96.5 AF

Limon: \*NS 103.1 100 kW, 682 ft.

Meeker: \*NS 98.1 AF

Montrose: \*NS 89.1 AF

Pueblo: KYZX 104.5 PC< 50 kW (h), 492 ft. XG: 38-33-24 / 104-35-56

Vail: K201DU88.1 NS-10w: KLVC 88.3

Wray: KATR 98.3 PA: to class C1, CL: Otis, CO

Yuma: \*NS 100.9 AF (AFA)

### CONNECTICUT:

Hartford: WRTC 89.3 PC< 300w(cir), 95 ft XG: 41-45-06 / 72-41-29

W.Hartford: WWUH91.3 PC< 440w, 784 ft.

XG: 41-46-27 / 72-48-20

### DELAWARE:

Bethany Beach: WOSC 95.9 PC> 19 kW, 377 ft.

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### FLORIDA:

Cedar Creek: WKSG89.5 NO-GX, PG< 2 kW, 308 ft XG: 29-11-20 / 81-52-52

Century: WPFL105.1 NC to 25 kW, C3, GX

Clemont: WLAZ 88.7 NO-RE, LC

Cross City: WDFL106.3 NC to 106.9 - C1, 100 kw, GE Crystal River: WXJC91.9 PC> 7.9 kW, 285 ft, class C3

XG: 28-50-30 / 82-30-18

Daytona Bch: WJHM 101.9 PC> 61 kW, class C

Daytona Bch: WCFB 94.5 adds Tom Joyner

Edgewater: WKTO 88.7 PG< 5 kW (v), 298', DA

Everglades City: \*\*\*92.7 PA: add class A

Ft.Myers Villas: WJST 106.3 NC to 328 ft, GX

Holly Hill: WVYB103.3 FC to CHR (Daytona) CC (ex WDXD), SG "The Vibe"

Homestead: WRGP88.1 NO-RE

Key Colony Bch: WKKB 105.5 NO-GE

LaBelle: WKZY 92.5 reported SI cause of a lightning strike

Marianna: WBNF 94.1 reported SI

Naples: WSRX 89.5 PC> 20 kW, 225 ft, C3 DA, XC: 26-07-33 / 81-43-47

Naples Park: WQNU 105.5 CC (ex WXRM) "Q105"

Palm Coast: W254AK98.7 NS-120w: WAYL 91.9

Panama City: \*NS 91.7 AF

Pennusco: WIRP 88.3 NO-GX

Pt.Charlotte: WXRM100.1 CC(ex WFSN), "Warm 100"

Riviera Beach: WOLL 94.3 PG> 4.1 kW, 807 ft DA, C3, XG: 27-01-32 / 80-10-43

St.Petersburg: WKES 101.5 PC< 78 kW, 968 ft.

Sarasota: W274AF97.3NS-80w: WYFO 91.9

Sarasota: WSRZ106.5 QC from 106.3, now C3

PC> 25 kW

Tampa: WAKS100.7 inc. to 1358 feet, class C

XG: 27-50-32 / 82-15-46

Tarpon Sps: WYFE88.9 PC< 60 kW, 449 ft, DA

XG: 28-22-39 / 82-40-25

W.Palm Beach: WRLX 92.1 FC to soft AC "Relax 92.1"

### GEORGIA:

Claxton: WCLA107.3 FC to urban gold (&)

Columbus: WTJB 91.7 PC> 5 kW (h)

XG: 32-25-20 / 85-01-50

Dalton: W259AR99.7 NS-10w: WCCV 91.5

Folkston: \*NS 91.3 600w, 321 ft.

Gray: WNML 96.5 CC (ex WWIQ), FC to sports (Macon) "The Sports Animal"

Lumber City: WMOC88.7 NO-RE

Pt.Wentworth: \*NS91.9 AF

Royston: WPUP103.7 FC to rock (Athens)

Summerville: W284AJ 104.7 NS-10w: WCCV 91.5

Warner Robins: WLGC 102.5 CC (ex WYIQ)

FC to black gospel (Macon)

Warrenton: WRFN 93.1 CC (NS)

Waycross: WASW91.9 CC (NS)



## FMNEWS

**HAWAII:**  
 Hanalei: KKCR 90.9 NO-GE  
 Hilo: KHWI 100.3 adds Mark & Brian  
 Kekaha: KAU1 103.3 NO-GE  
 Lihue: K208CM89.5 NS-140w: KLVC 88.3 CA  
 Poipu: KSRF 95.9 NO-GE  
 Waimea: KAGB 99.1 NO-CX-DE  
**IDAHO:**  
 Burley: \*NS 88.5 AF  
 Coeur d'Alene: \*\*\*103.1 PA: to class C1,  
     CL: Post Falls, ID  
 Island Park: \*NS 106.5 AF  
 Payette: KQXR100.3 adds Mark & Brian (Boise)  
 Pocatello: \*NS 91.1 AF (Idaho State)  
 Rexburg: KADQ 94.3 FC to Jones soft AC (&)  
 Troy: \*\*\* 103.3 PA: add class A  
 Twin Falls: \*\*\* 98.3 PA: class C1  
 Wallace: KWQK 97.5 CC (NS)  
 Wallace: KSIL 100.7 CC (NS)



**ILLINOIS:**  
 Aurora: WYSY107.9 FC (stunting with rock now)  
 Carlinville: W206AN88.1 NS-80w: WYFG 89.3 SC  
 Cedarville: \*\*\* 106.9 PA: add class A  
 Champaign: WPCD88.7 dec. to 282 ft  
     XG: 40-08-14 / 88-17-10  
 Chicago: WKXK 94.7 FC to classic rock  
 Golconda: WDXR 94.3 adds Jones oldies (&)  
 Metropolis: WRK 98.3 FC to CHR "K98" (Paducah)  
     PC> 100 kW, 699ft, C1, XG: 36-45-09 / 88-29-58  
 Mt.Sterling: WBRJ106.7 FC to talk/sports // WTAD 930  
 Quincy: WMOS103.9 FC to soft AC "Lite 104"  
 Quincy: \*NS 91.1 AF (Quincy U.)  
 Seneca: WAIZ 95.7 NO-RX  
 Teutopolis: WKJT102.3 RA with country

**INDIANA:**  
 Anderson: WBSB 89.5 LC  
 Auburn: WGL 102.3 CC (ex WGLL)  
 Columbia City: WSH1 106.3 FC to adult standards (&)  
     CC (ex WDJB) (Fort Wayne)  
 Edinburgh: WYGB102.9 CC (NS), 6 kW, 328 ft.  
 Evansville: WABX107.5 LC  
 Goshen: WGCS 91.1 PG< 6 kW, 292 ft, DA  
     class A, XG: 41-33-29 / 85-51-06  
 Greencastle: WGRE91.5PC< 800w(v), 177 ft  
     XG: 39-38-19 / 86-51-49  
 Muncie: WERK104.9 adds Radio 1 Country (&)  
 Newburgh: WDKS106.1 FC to classic hits // WTRI  
     FM CC (ex WGAB)  
 Roanoke: WYSR 94.1 CC (ex WGL)  
 Vincennes: WATI 89.9 CC (ex WAQO)

**IOWA:**  
 Garnavillo: KCTN100.1 PC> 6 kW, 328 ft.  
 Hiawatha: \*NS 89.1 AF  
 Lamoni: KIIC 97.9 CC (ex KASD)  
 Madrid: KEZT 96.1 CC (NS)  
 Maquoketa: KMAQ 95.3 NC to 95.1, 6 kW, GE  
 Ottumwa: KOTM 97.7 PC> C3, 18.5 kW  
     380ft, XG: 41-01-28 / 92-28-56  
 Rock Valley: KDUT106.9 CC (ex KIHK), NO-RE  
**KANSAS:**  
 Cawker City: \*\*\* 96.3 GA: add class C3  
 Chanute: KKOY105.5 FC to hot AC (&)  
 Clearwater: KAYY 98.7 CC (ex KSPG), FC to  
     ABC hot AC (8) (Wichita), "K 98.7"  
 Columbus: KOCD105.3 FC to modern rock "Rock 105"  
 Emporia: KRWV 99.5 NO-RE, CC (ex KGZF)  
 Ft.Scott: KOMB103.9 FC to oldies  
 Humboldt: \*\*\* 94.3 GA: add class C3  
 Hutchinson: KHCC 90.1 adds Beethoven classical (&)  
     (also affects KHCT 90.9 & KHCD 89.5)  
 Independence: KARF91.1 NW, AFA cont. Christian (&)  
 Junction City: KJCK94.5 adds ABC hot AC (&)  
     from midnight to 6am (Manhattan)  
 Liberal: KZQD105.1 NO-GE (3rd)  
 Lindsborg: KQNS 95.5 FC to adult cont. (Salina)  
 Minneapolis: KILS 92.7 FC to Real Country (&)  
 Riley: \*\*\* 96.3 PA: add class C3  
 Wellington: KWME 93.5 NC to 4.9 kW, 361 ft, CX  
     PG> 6 kW, 321 ft, XG: 37-14-28 / 97-24-04  
**KENTUCKY:**  
 Beaver Dam: \*NS100.7 NO-GX  
 Carlisle: WCAK100.7 FC to Christian country  
     // WINH 1380  
 Clinton: WCBF102.1 CC (NS)  
 Elkhorn City: WPKE 103.1 NC to 320w, 1397', DA  
 Hawesville: WXCM 97.1 CC (ex WKCM) "97-X"  
 Jeffersontown: WMJM 101.3 adds Tom Joyner  
 Lexington: WKQQ 98.1 dec. to 561 ft.  
 Louisville: WLRS102.3 PC> 4.3 kW  
 Pippa Passes: WOAL 91.7 NC to 7.3 kW, 544', C3, GE  
 Stamping Ground: WKYI 99.1 reported SI

**LOUISIANA:**  
 Arcadia: \*NS 92.5 AF  
 Baker: WGGZ107.3 CC (ex WBBU)  
 Basile: KQIS 102.1 CC (ex KSIG), FC to adult  
     contemporary (Lafayette), "Kiss 102.1"  
 Baton Rouge: WBRH 90.3 NC to 8 kW, 371 ft, GE  
 Baton Rouge: WDGL98.1 CC(exWGGZ)"Eagle 98.1"  
 Baton Rouge: WXCT100.7 CC (ex WTGE) "Cat Cntry"  
 DeRidder: KEAZ 101.7 RA with ABC country (&)  
 Grand Isle: \*\*\* 104.5 PA: add class A  
 Houma: K249D197.7 NS-205w: WBSN 89.1  
 Lafayette: KSYJ 90.9 NW, AFA cont. Christian (&)  
 Lafayette: KTDY 99.9 FC to hot AC  
 Lake Arthur: \*NS 107.5 OSA to 107.3 C3, PG> 16 kW  
     364 ft, XG: 30-00-31 / 92-46-47

LITE ROCK  
**99.9 KTDY**

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## FMNEWS

### Louisiana:

Mamou: KBON101.1 NW, variety (Cajun, Zydeco,  
     country, blues, R & B, oldies, gospel)  
 Mansura: \*\*\* 95.9 PA: add class A  
 Many: \*NS 89.7 1 kW, 430 ft, (AFA)  
 Maurice: KFXZ 106.3 FC to black gospel/blues (&)  
 Minden: KASO 95.7 GA: to class C2  
 Natchitoches: KZBL95.9 GA: to 100.7 - class A  
 Rayne: KSIG 106.7 CC (ex KCR), FC to  
     WW1 adult standards (&) (Lafayette)  
 Vidalia: KPXS 104.7 XC: 31-35-05 / 91-23-18  
 Washington: KNEK104.7 FC to urban AC (Lafayette)

### MAINE:

Bangor: WWBX97.1 FC to soft AC  
 Bar Harbor: WMDI107.7 FC to adult alternative  
 Boothbay Hbr: WCOME 96.7 FC to soft AC (Portland)  
 Howland: WVOM103.9 CC (ex WSNV)  
 Lincoln: WHMX105.7 RA with cont. Christian  
     // WHCF 88.5 Bangor  
 Pittsfield: WJCX 99.5 PC> 6 kW, 328 ft  
     XC: 44-48-11 / 69-10-06  
 Topsham: WXGL 95.5 FC to WW1 adult rock (&)

### MARYLAND:

Cumberland: WKGO 106.1 PG> 5.5 kW

**GO 106**  
 fm stereo

### MASSACHUSETTS:

Amherst: W246AM97.1 NS-39w: WPVQ 93.9

Nantucket: \*NS 91.9 AF

### MICHIGAN:

Allegan: WZUU 92.3 CC (ex WNTX)  
 Bronson: WCVM 94.7 NO-GX  
 Charlevoix: \*\*\* 107.9 GA: add class A  
 E.Lansing: WVIC 94.9 FC to classic rock  
 Fremont: WSHN100.1 adds WW1 Hot Country (&)  
 Glen Arbor: WJZJ 95.5 CC (ex WTHM) "Jazz"  
 Goodland Twp: \*NS88.1 AF

Grenada: \*\*\* 101.3 GA: add class A  
 Kalamazoo: WAYK88.3 PC 10 kW (v), 397 ft, DA  
 Lansing: WJIM 97.5 PC> 45 kW, 512 ft  
     XC: 40-40-33 / 84-30-00

Leland: WIAR 94.3 PC> 20.5 kW, 764 ft, C2  
     XC: 44-46-19 / 85-40-58

Marlette: WBGV 92.5 NO-GE  
 Muskegon: \*NS 88.1 AF  
 Muskegon Hts: WMRR 101.7 FC to WW1 adult rock (&)  
 Rogers City: WHAK99.9 CC (ex WELG)

Traverse City: WCCW 107.5 adds ABC oldies (&)  
 Walhalla: \*\*\* 102.7 PA: add class A

### MINNESOTA:

Babbitt: KAOD106.7 NO-RE  
 Buhl: WIRN 92.5 NW, news/talk // KNOW 91.1  
 Caledonia: KHTW 94.7 FC to CHR "Hot 94.7"

CC (ex KSOF) (La Crosse)  
 Grand Marais: WXZX95.3 NO-GE  
 Grand Marais: \*NS90.7 AF  
 HutchinsonKKJR 107.1 PA: to 106.9 - C3, Dassel, MN  
 Mankato: K296ER107.1NS-250w: KJLY 104.5  
 Minneapolis: WBOB100.3 FC to rock, Howard Stern

### MINNESOTA:

Proctor: KUSZ107.7 NC to 7.7 kW, C2, GX  
     FC to classic hits "Z-Rock" (Duluth)  
 St.James: KXAX 101.5 PC> 14 kW, 446 ft, C3  
     XC: 43-52-29 / 94-36-04

Virginia: WIRR 90.9 FC to classical // KSJN 99.5  
 Winona: KHME101.1 NC to 15 kW, 420ft, RE  
**MISSISSIPPI:**

Clarksdale: WAID 106.5 PC> 50 kW

Durant: WLIN 101.1 LC  
 Hattiesburg: W216BA 91.1 NS-80w(v): WPCS 89.5 FL  
 Lumberton: WLUN 95.3 PG< 50 kW, 1181 ft,  
     XG: 30-44-48 / 89-03-30

McLain: WXAB 96.9 NO-GE  
 Mound Bayou: WZYQ 102.1 NO-GE, OSA to 101.9  
     6 kW, 328 ft, XG: 33-52-49 / 90-42-24

Philadelphia: WWSL102.3 PC< 4.9 kW, 364 ft, DA  
     XC: 32-43-35 / 89-05-56

Pt.Gibson: WVYE100.5 NO-GE

Tupelo: WZLQ 98.5 NC to 100 kW (cir), 981', GX

Vicksburg: WJKK 98.7 FC to AC "Love 98" (Jackson)

### MISSOURI:

Ashland: KBXR106.1 PG> 71 kW, 961 ft, C1  
     XG: 38-45-17 / 92-33-52

Benton: \*NS 89.9 AF (AFA)

Branson: KLFC 88.1 increase to 390 feet

Deerfield: \*\*\* 100.7 PA: add class A  
 Fredericktown: K219DE 91.7  
     NS-170w: WAFR 88.3 MS

Garden City: \*\*\* 105.3 GA: add class A

Gideon: \*\*\* 103.9 PA: add class A

Hannibal: \*NS 91.7 AF (AFA)

Kirksville: \*NS 88.7 1 kW, 197 ft.

Lebanon: KTTK 90.7 dec. to 476 ft  
     XG: 37-37-58 / 92-45-22

New Bloomfield: KNLG 90.3 CC (NS)

Poplar Bluff: \*\*\* 92.5 GA: add class A

Steelville: KNSX 93.3 RA with new rock "93X"

Stockton: \*NS 107.7 6 kW, 371 ft. (KYOO Comm.)

### MONTANA:

Big Sky: KBFN104.5 CC (NS)

Bozeman: KOBB 93.7 CC (ex KATH) "Bob"

Butte: KAPC 91.3 NO-RE

Columbia Fls: KCWX95.9 NO-GE, NO-RE

Great Falls: KMON94.5 PC> 100 kW, 479 ft, C1  
     XC: 47-32-19 / 111-15-41

Hardin: K263AF104.5NS- on with KLGT 92.9 WY

Kalispell: KUKL 89.9 NO-RX

Laurel: KRSQ101.7 dec. to 403 feet

Victor: \*\*\* 105.7 PA: add class A

### NEBRASKA:

Albion: \*NS 92.7 50 kW, 371 ft.

Falls City: KLZA 101.3 CC (NS)

Holdredge: KMTC 97.7 PC> 55 kW, 262 ft, C1

Omaha: KNOS 88.9 PG< 210 w, 233 ft

XG: 41-18-43 / 96-00-13

Scottsbluff: K204CV88.7NS-250w: KLVC 88.3 CA

### NEVADA:

Garnerville: KGVM 99.3 NC to 99.1 - C3, 6.9 kW, GX

Las Vegas: KJUL 104.3 NC to 3700ft, GX

Reno: KOZZ 105.7 dec. to 2178 ft.

Reno: KRNV101.7 PA: to 92.3 - class C2

FC, adds talk to format (instead of just news)

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**NEW HAMPSHIRE:**

Keene: W272AX 102.3 NS-30w(h), DA: WZID 95.7  
 Lebanon: WXXK 100.5 CC (ex WVRR), "Kicks FM"  
 Manchester: WLMW 90.7 PG to 15w, 869 ft, DA  
 XC: 42-58-59 / 71-35-25

Newport: WVRR 101.7 CC (ex WXXX) "V101"

**NEW JERSEY:**

Atlantic City: WMGM 103.7 FC to classic hits  
 Bridgeton: WNJB 89.3 NW, variety // WNJT 88.1  
 Newark: WNWK 105.9 PC< 810w(h), 1223 ft,  
 XC: 40-44-54 / 73-59-10

Trenton: WNJT 88.1 adds jazz // WBGO 88.3  
 from midnight to 6 am

**NEW MEXICO:**

Alamogordo: KNMZ 103.7 NO-GE  
 Albuquerque: KEZF 101.3 CC (ex KRZN), FC on May 8  
 to WW1 soft AC (&)  
 Farmington: K257FQ 99.3 NS-250w, DA: KRTZ 98.7  
 Jal: KXJW 107.1 PA: to 103.7 - C1  
 Las Cruces: KRUC 88.9 CC (NS)  
 White Rock: KSFQ 101.1 CC (ex KNLA), FC to  
 70's oldies (&) (Santa Fe), "Q101"

**NEW YORK:**

Amsterdam: WBKK 97.7 NC to 1.6 kW, RE  
 Brighton: WZNE 94.1 NW, modern AC "the Zone"  
 (Rochester), CC (ex WAQB)  
 Buffalo: WLCE 92.9 CC (ex WSJZ) "Alice @ 92.9"  
 Chateaugay: WYUL 94.7 dec. to 1750 ft, add DA  
 Hudson: WHVP 91.1 NO-GE (2nd), PG> 360w(v)  
 991 ft, DA, XC: 42-18-28 / 73-29-35

Ithaca: \*NS 90.1 AF (WSKG)

Lancaster: \*NS 90.7

Mexico: WNDR 103.9 LC

Rotterdam: WTRY 98.3 PC> 6 kW, 318 ft.

Schenectady: WRVE 99.5 PC< 14.5 kW, 925 ft.

Truxton: \*NS 88.7 AF

Tupper Lake: WRGR 102.3 FC to a/c // WLPW 105.5

Voorheesville: WPTR 96.3 adds Jones classic cntry

Westhampton: WDRE 98.5 CC (ex WLRI)

**NORTH CAROLINA:**

Biltmore Forest: WZRQ 96.5 PG> 430 w, 1197 ft  
 XC: 35-35-23 / 82-40-26

Greensboro: WQMG 97.1 decrease to 1230 ft.

XC: 35-56-42 / 79-51-45, adds Tom Joyner

Greensboro: WKS 98.7 adds Bob & Sheri

Hickory: WXRC 95.7 adds Howard Stern

Laurinburg: WFLB 96.5 PG> 100 kW, 984 ft, class C  
 XC: 34-46-53 / 79-02-42

Murfreesboro: WDLZ 98.3 FC to ABC urban gold (&  
 SG "Z 98.3")

New Bern: WAAE 91.9 NW, AFA cont. Christian (&)

Ocean Isle Bch: WDZD 93.5 CC (NS)

Salisbury: WOGR 93.3 RA with black gospel  
 QC from 91.1

Snow Hill: WAGO 88.7 NO-RE, returned as  
 un-necessary (station must come on air)

PG< 17 kW, 308', XC: 35-26-49 / 77-39-20

Windsor: WURB 97.7 RA with black gospel // WBXB

**NORTH DAKOTA:**

Beulah: \*NS 97.9 5 kW, 361 ft.

Bismarck: K207CA 89.3 NS-25w: KLVC 88.3 CA

Walhalla: KAUJ 106.7 CC (NS)

**OHIO:**

Caldwell: WWKC 104.9 adds WW1 country (&)  
 Delaware: WYLR 107.9 CC (ex WCEZ), FC to  
 soft AC (Columbus) "Lite Rock 108"  
 Gahanna: WCVO 104.9 PG> 6 kW, 308 ft.  
 Jefferson: WCJV 90.9 NC to 1850w, 643ft, GE  
 Marion: \*NS 91.1 6.8 kW (v), 285 ft, OSU  
 Marysville: WHQK 105.7 FC to country // WHOK 95.5  
 W. Union: WRAC 103.1 FC to all country "C103"  
 Wooster: W220BP 91.9 NS-45w: WAER 88.3 MS

**OKLAHOMA:**

Bartlesville: KYFM 100.1 FC to country  
 Edmond: KCSC 90.1 NC to 840 ft, XC, GE  
 Heavener: KPRV 92.5 NC to 1550w, RX  
 Idabel: \*\*\* 105.1 PA: add class A  
 Oklahoma City: K294AT 106.7 NS-99w: KALU 89.3  
 Okmulgee: KCFM 94.1 PC> 100 kW, 807', C1  
 Poteau: KOMS 107.3 FC to classic country  
 Sand Springs: KTFX 102.3 XA for class C3  
 Stillwater: \*NS 89.1 AF (AFA)  
 Sulphur: KFXT 100.9 PG> 8 kW, 571 ft, C3  
 XC: 34-26-25 / 97-12-09  
 Tulsa: \*NS 88.7 AF (U of Tulsa)  
 Wagoner: KRQZ 102.3 GA: class A, CL: Warner, OK  
 Woodward: KMPQ 95.9 CC (NS)

**OREGON:**

Altamont: KRAT 101.3 CC (ex KCHQ)  
 Banks: KBBT 107.5 PG< 5.1 kW, 1443 ft  
 XC: 45-30-58 / 122-43-59  
 Cherryville: KLVP 88.7 NW, cont. Christian // AM  
 "K-Love" (Portland)  
 Cottage Grove: KEUG 105.5 NO-GE  
 Klamath Falls: \*NS 88.5 AF (State of Oregon)  
 LaGrande: K212EQ 90.3 NS-10w: KLVC 88.3 CA  
 Lake Oswego: KKJZ 106.7 CX CP for 100 kW, 1443 ft  
 PG> 100 kW, 1443 ft, class C,  
 XC: 45-30-58/122-43-59  
 Medford: KTMT 93.7 FC to dance CHR "Beat 93"  
 Salem: K249DH 97.7 NS-18w(v): WPCS 89.5 FL  
 Seaside: KULU 98.9 NO-RE  
 Sutherlin: \*NS 101.1 NO-GE  
 Toledo: KZUS 100.7 NC to 25.5 kW, CX CP

**PENNSYLVANIA:**

Central City: WSRA 101.7 CC (ex WYSN), FC to  
 WW1 soft AC (&) "Star 101" (Johnstown)  
 Forest City: \*\*\* 100.1 GA: add class A  
 Hazleton: W218AX 91.5 NS-3w: WRGN 88.1  
 Jenkintown: WPHI 103.9 CC (ex WDRE)  
 SG "Philly 103.9" (Philadelphia)  
 Laporte: WRPA 103.9 NO-RE  
 Lewisburg: WXCX 103.7 QC from 96.3, PC< 1350w  
 695 ft, XC: 40-58-49 / 77-07-00  
 McConnellsburg: WEEO 103.7 NW, WW1 oldies (&)  
 Mansfield: WNT 89.5 NC to 3.5 kW, GX  
 Martinsburg: WJSM 92.7 PC> 640w, 964 ft.  
 Meadville: WARC 90.3 PC> 400w, 66 ft.

**Pennsylvania:**

Muncy: WHTO 93.3 QC from 103.9, PC> 1.7 kW  
 1220ft, class B1, XC: 41-12-42 / 76-57-16  
 N. Kensington: WZPT 100.7 FC to classic hits  
 (Pittsburgh)  
 Oil City: \*NS 88.3 AF (WQED Pittsburgh)  
 Philadelphia: WMMR 93.3 FC to album rock  
 Pottsville: W235AD 94.9 NS-120w(h): WVIA 89.9  
 Sharon: WYFM 102.9 FC to classic hits "Y103"  
 Somerset: WVSC 97.7 FC to country (Johnstown)  
 Tobyhanna: WKRF 107.9 PG> 840w, 872 ft  
 XC: 41-02-37 / 75-23-00  
 Wellsboro: W246AL 107.1 NS-20w: WDKC 101.5

**RHODE ISLAND:**

Block Island: WERI 99.3 FC to adult alternative  
 Narragansett Pier: WAKX 102.7 CC (ex WPJB) "Kicks"  
 Providence: WBRU 95.5 NC to 50 kW, GE

Wakefield: WDGE 99.7 adds Mancow Mueller  
 Westerly: \*NS 88.1 AF

**SOUTH CAROLINA:**

Bamberg: WWBD 92.1 NC to 95.7, 6 kW, GE  
 Bluffton: WIJY 106.9 PC> 100 kW, 800 ft, C1  
 XC: 32-13-36 / 80-50-53  
 Greenwood: WCRS 96.7 adds WW1 country (&)  
 Kingstree: WGSS 94.1 NO-GE  
 Murrells Inlet: WRNN 94.5 adds Sports Byline  
 Parris Island: WGZO 92.1 CC (ex WOCW), SG  
 "Cool FM" (they were WLWS for one week)

Ridgeland: WGZR 104.9 CC (ex WSHZ), "Gator 104.9"  
 Socastee: WMYB 99.5 FC to adult cont. (M. Beach)

**SOUTH DAKOTA:**

Canton: KIXX 102.7 adds Bob & Tom  
 Clear Lake: \*\*\* 107.1 GA: add class C3

Custer: KAWK 105.1 NO-RE

Hot Springs: KZMX 96.7 NC to 51 kW (h), 551', GE  
 OSA to class C2, 38 kW (h), 453 ft.

Little Eagle: KLND 89.5 NO-RE

Redfield: KGIM 103.7 PG> 100 kW, 554 ft, C1  
 XC: 45-12-30 / 98-40-20, CC (ex KQID)

Winner: KGGK 98.5 NO-GE

**TENNESSEE:**

Bells: KMKT 93.1 CC (ex KASK)  
 Chattanooga: WDOD 96.5 FC to adult alternative

Clinton: WDVX 89.9 LC

Colonial Hts: WRZK 105.9 PC< 1.5 kW, 1296 ft, DA  
 class C3, XC: 36-31-36 / 82-35-14

Comanche: \*NS 94.3 OSA to C2, 29.5 kW, 646'  
 XC: 31-57-40 / 98-49-25

Crossville: WMWK 89.3 dec. to 1394 ft, DA

Dickson: WNRZ 91.5 NW, MGS cont.  
 Christian // WNAZ 89.1

Dyer: WLSQ 94.3 drops modern AC  
 Humboldt: WLSZ 105.3 adds JSN modern AC (&)

Loudon: WNOX 99.1 adds Sports Byline  
 10pm-1am (Knoxville)

McMinnville: WCPI 91.3 NW, variety

Morristown: WMXK 95.9 PC< 920w, 817 ft,  
 XC: 36-13-42 / 83-19-57

Mt. Juliet: WNPL 106.7 NO-GE

Murfreesboro: WFCM 91.7 NO-RE

Oliver Sp: WXVO 98.7 NC to 25 kW, C3, RE

Savannah: W201BM 88.1 NS-55w: WAER 88.3 MS

Springfield: WDBL 94.3 FC to modern rock // WRLG

**TENNESSEE:**

Union City: WKWT 104.9 PC> 6 kW, 305 ft,  
 XC: 36-28-25 / 88-56-41

Waynesboro: W210BE 89.9 NS-19w: WAER 88.3 MS

**TEXAS:**

Beaumont: KXTJ 107.9 FC to regional Mexican  
 Benavides: KXTM 107.7 NO-GX

Borger: \*NS 91.5 250w, 331 ft.

Brownfield: KLZK 104.3 RA with classic rock  
 (Lubbock)

Brownwood: KBUB 90.3 RA with gospel // KNYD 90.5  
 Childress: K202CK 88.3 NS-200w(h): KPDR 90.5

Cleveland: KRTK 97.1 adds Sports Byline  
 decrease to 984 ft.

Crystal Beach: KSTB 101.5 adds Radio One AC (&)  
 Dallas: KRBV 100.3 NC to 100 kW, 1670', GE

Follett: K205CW 88.9 NS-226w(v): KJIL 99.1 KS  
 Harker Hts: KYUL 105.5 CC (ex KNRV), FC to  
 oldies "Cool 105.5" (Temple)

Hempstead: KEZB 105.3 PG> 9.2 kW, 544 ft, C3

Hereford: \*NS 103.5 50 kW, 492 ft.

Hondo: KRBH 98.5 NO-GE  
 Howe: KHYI 95.3 PC< 10.5 kW, 512 ft  
 XC: 33-23-43 / 96-35-50

Junction: KAHO 93.5 NO-GX, XC: 30-28-45 /  
 99-45-12

Kilgore: KTPB 88.7 PC> 79.4 kW (v), 63.1 kW  
 (h), 551 ft, DA, class C1

Leakey: \*NS 104.3 1 kW, 594 ft.

Levelland: \*NS 91.9 AF (AFA)

Luling: KAMX 94.7 FC to modern AC

Madisonville: KMVL 100.5 NW, ABC a/c (&)  
 PC> 13 kW, 449 ft, class C3

Marshall: KCUL 92.3 PC> 5.8 kW

Palestine: \*NS 89.1 AF (BBN)

Pittsburg: KXAL 103.1 PG> 6 kW

Plainview: KKYI 103.9 adds ABC country (&)

Raymondville: KBIC 106.9 NO-GX

Refugio: KZTX 106.1 FC to Radio One modern AC  
 (& Corpus Christi)

Rudolph: \*NS 90.7 AF

San Augustine: KCOT 92.5 FC to ABC a/c (&)

Seabrook: KRTS 92.1 NC to 100 kW, 981 ft, GE

Snyder: KSNY 101.7 OSA to 101.5 - C2, PG> 35  
 kW, 587 ft, XC: 32-53-29 / 101-06-29

Springtown: KMQX 89.1 RA with standards // KYQX

Waco: \*NS 88.9 AF (U of Texas @ Austin)

Wake Village: \*\*\* 92.5 GA: add class A

Weatherford: KYQX 89.5 RA with adult standards

Yorktown: \*\*\* 96.3 PA: add class A

**UTAH:**

Ridgefield: KQYC 93.7 PC> 41 kW, 2883 ft, C  
 XC: 38-32-30 / 112-03-31, CC (ex KKWZ)

Spanish Fork: KBKK 106.5 OSA to class C, 46 kW  
 2745 ft, XC: 40-16-50 / 111-56-05

Tooele: K209CJ 89.7 NS-10w: KLVC 88.3 CA

**VERMONT:**

S. Burlington: W247AG 97.3 NS-13w: WXPS 96.7



**VIRGINIA:**

Blacksburg: WVMJ 105.3 adds WW1 a/c (&) Charlotteville: WUMX 107.5 PC< 210w, 1109 ft. Charlottesville: WWWV 97.5 NC to 8.9 kW, 1161', GX Coeburn: WZQK 99.7 NC to 540w, RX Culpeper: WPER 89.9 NO-GE Mt.Jackson: WSIG 96.9 OSA to B1, 25 kW, 239 ft XG: 38-44-44 / 78-45-06

Spotsylvania: WYSK 99.3 PG< 3 kW (c), non-dir. Warrenton: WINX 94.3 PG> 4 kW, 403 ft. Waynesboro: WPVA 90.1 dec. to 964 ft, DA XG: 38-01-37 / 78-52-29

Wise: \*NS 90.5 AF

Woodstock: WAZR 93.7 PG< 7.1 kW, 43 ft.

**WASHINGTON:**

Centralia: K201DT 88.1 NS-50w: KLVC 88.3 CA Cle Elum: \*\*\* 93.7 GA: add class A Dayton: KZZM 102.3 NW, talk, Jones country (&) Elma: KAPV 102.1 OSA to class C3, 25 kW, 243 ft

Ephrata: KTAC 93.9 NO-GE

Ephrata: KULE 95.9 NC to 92.3 C2, 20 kW, 394 ft. XC: 47-19-13 / 119-34-22

Littell: \*NS 88.9 AF

McCleany: KGY 96.9 FC to Real Country (&)

Medical Lake: KTSI 101.9 OSA to C2, 28.5 kW, 649 XG: 47-42-11 / 117-44-26

Moses Lake: KLWS 91.5 NW, news,talk // KWSU 1250 Omak: \*NS 104.3 3.5 kW, 981 ft.

Pasco: KEYW 98.3 FC to hot AC (Kennewick)

Pasco: KGSG 93.7 LC

St.Maries: \*\*\* 103.5 PA: add class A

Seattle: KZOK 102.5 NC to 58 kW, 2342', GX

Seattle: KNDD 107.7 NC to 58 kW, 2342', GE

Spokane: KSFN 91.9 PA: from class A to C2

Synarep: K236AH 95.1 NS-1w: KOMW 92.7 Omak

Walla Walla: KWWS 89.7NS, news,talk // KWSU 1250

Yakima: KYPL 91.1 NO-GE

**WEST VIRGINIA:**

Buckhannon: WBRB 101.3 CC (ex WBUC) "The Bear" Fairmont: W209AX 89.7 NS-6w: WYFG 89.3 SC

Fisher: WQWV 103.7 LC

Petersburg: \*NS 89.5 NO-GE

**WISCONSIN:**

Brookfield: WMFI 106.9 may drop jazz format soon

Dodgeville: WDMP 99.3 PA: to 106.7 - class A

Eau Claire: WBIZ 100.7 PC> 100 kW (cir) 482ft XG: 44-55-44 / 91-32-31

Green Bay: WHID 88.1 PG> 18.5 kW, 1014', DA

Howard: W220BQ 91.9 NS-38w: KLVC 88.3 CA

Kaukauna: WPCK 104.9 FC to country // WPKR 99.5 CC (ex WKFX), "Packer 99.5 / 104.9"

Mayville: WMVMB 98.7 NO-RE

Mazomanie: \*\*\* 99.3 PA: add class A

Merrill: WMZK 104.1 OSA to C2, 24 kW, 617 ft.

Nekoosa: WXE 93.9 NO-RE

Sheboygan: WBCT 93.7 CC (ex WWJR), FC to country "B" 93.7"

Sheboygan Fis: WWJR 106.5 NW, adult cont. "JR 106.5"

Sturtevant: WEXT 104.7 CC (ex WZXA), FC to country "Extreme Country 104.7"

Watertown: WJJQ 94.1 FC to rock (Madison)

20 ale: WKBH 100.1 PC> 3.6 kW

**WYOMING:**

Diamondville: \*NS 105.3 50 kW, 10 ft. Ethete: KWRR 89.5 NO-GE Laramie: KIMX 105.5 PG> 2.2 kW, 1027', class C3 Moorcroft: \*\*\* 93.5 PA: add class A

**U.S. TERRITORIES:****PUERTO RICO:**

Culebra: WJVP 89.3 NO-RE Hormigueros: WRRH 106.1 NO-RE Quebradillas: WQQZ 98.3 FC to Spanish hits // WMEG 106.9 Guayama San Juan: WIOA 99.9 PG< 32 kW, 1778 ft. XG: 18-16-44/65-51-12 San Juan: WZMT 93.7 PG< 32 kW, 1778 ft. XG: 18-16-44 / 65-51-12

**VIRGIN ISLANDS:**

Christiansted: WSTX 100.3 RA with calypso // AM Cruz Bay: WWKS 101.3 QC from 92.3, 1227 ft. Frederiksted: \*NS 103.5 NO-RX



CANADA

**ALBERTA:**

Grand Prairie: CFGP 97.7 PG< 66 kW Lethbridge: CHLB 95.5 CC (ex CKRX), FC to country, "Country 95.5 FM" Peace River: \*NS 104.3 2 kW relay wanted here of CFGP 97.7

Rocky Mtn House: \*NS 94.5 720 w.

**NEW BRUNSWICK:**

Dalhousie: \*NS 96.7 8w, // CIMS Balmoral St.John: CHSJ 700 QC to 94.1, 50.4 kW

**BRITISH COLUMBIA:**

Horse Creek: \*NS 105.9 43w CFMI 101.1 relay wants to move to 104.7 w/ 5 watts Kitwanga: CBUK 94.3 NW, CBC English // CFPR 860 Prince Albert McBride: \*NS 105.1 20w, // CHFI 98.1 ON Prince George: CB??? 73 w, new CBC station Vancouver: CHKG 96.1 CC (NS), to be on the CBUF Mt.Seymour tower, on by early summer Victoria: \*NS ??? new FM to be here, freq. unknown, applicants inc. CBC & CFAX 1220

**ONTARIO:**

Burlington: CING 107.9 PG< 21.6 kW, increase antenna height (Toronto) Newmarket: CKDX 88.5 FC to dance CHR "Power 88.5" (Toronto)

**QUEBEC:**

Drummondville: CHRD 105.3 QC from 1480, now 3 kW Granby: \*NS 104.9 200 w Joliette: CJLM 103.5 wants 6 kW Longueuil: CHAA 103.3 QC from 103.1, 104 w.

**QUEBEC, CANADA:**

Quebec C: CBVE 104.7 wants to move to Mont-Belair, dec. to 24.9 kW Quebec C: CBV 95.3 wants to move to Mont-Belair, dec. to 24.9 kW Sacre-Coeur: \*NS 99.7 24w. to be // CHME 94.9 Tadoussac: \*NS 99.7 9w, to be // CHME 94.9 Trois-Rivieres: \*NS 89.1 250w. (Univ. of PQ @ T.R.) Valleyfield: CKOD 103.1 QC from 102.9

**SASKATCHEWAN:**

Saskatoon: CHSN 102.1 FC to a/c (from hot AC) Stockholm: \*NS 104.1 new stn wanted, 10 w to relay CHOZ 94.7 St. John's NF

**YUKON:**

Watson Lake: CHWA 99.9 wants 102.1, 5 watts



MEXICO

**BAJA CALIFORNIA:**

Tijuana: XETRA 91.1 drops Howard Stern



concerns about the new rules hurting French language stations (which are required to play at least 65% French language music). Doug also gives us the frequencies for those "March For Jesus" stations granted for May 31, 1997: Calgary 105.9 (15 watts), Winnipeg 103.1 (20w) (doesn't this conflict with an existing station?), Halifax 93.9 (25 watts).

• The FCC surprised several stations this week by cancelling their licenses, claiming they were expired. All stations are on the air. One FM station is affected: WCEF 98.3 in Ripley, WV, which the FCC claims had their license expired October 1, 1981. The affected stations and the FCC are investigating the situation.

• Arbitron announced that they will not produce a Spring 1997 Ratings report for the Grand Forks ND/MN market,

because of the severe flooding problems in that city. The next ratings for Grand Forks will be this Autumn. The ratings company also announced plans to donate to a flood relief fund to assist that region.

• Chip Kelley sends in the latest ratings in Dallas/Fort Worth.

Top 40 KHKS 106.1 "Kiss" had their best book ever, winning the market with a 6.8 share. Rounding out the top ten: 2. KKDA 104.5 (6.7), 3. KVIL 103.7 (6.0), 4. KSCS 96.3 (5.8), 5. WBAP 820 (4.4), 6. KRLD 1080/KEGL 97.1 (4.0), 8. KLUV 98.7 (3.6), 9. KDMX 102.9/KOAI 107.5 (3.5). Urban AC KRBV 100.3 "V100" fell all the way to 17th with a 2.5 share, probably because of new competition from KRN 105.7. KRRW 97.9, also with a poor book, at 18th with 2.2, switched to soft AC "B 97.9".

• Eric Bueneman sends in the ratings from St.Louis, taken from the *Post-Dispatch*. KMOX 1120 dominated the market with an 11.2 share. The rest of the top 10: 2. WIL 92.3 (8.6), 3. KMJM 107.7 (7.1), 4. KEZK 102.5 (6.9), 5. KYKY 98.1 (4.9), 6. KPNT 105.7 (4.7), 7. WKXK 106.5 (4.5), 8. KLOU 103.3 (4.3), 9. WALC 104.1/KSHE 94.7 /WVR 101.1 (4.0). WALC switched to modern AC "Alice @ 104.1" in the middle of the book, after starting out as top 40 "Q104".

**Alice@104.1**

New Station • New Name • New Sound

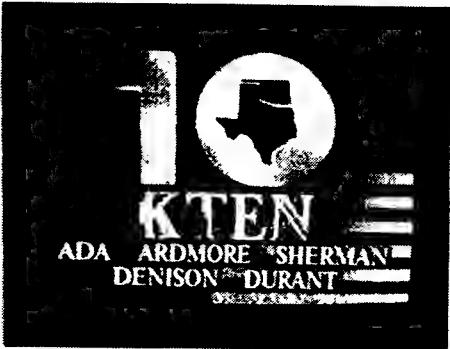
• Saul Chernos writes to let us know that only 2 FM stations seem to be carrying the Toronto Blue Jays this season (a lot less than a few years ago): CIMG 94.1 Swift Current, SK, and CJQM 104.3 Sault Ste. Marie, ON.

• Doug Smith updates us on some major decisions by the CRTC. The restriction on airing "hit" records on FM in Canada has now been deleted. According to the CRTC, any hit released after 1980 is not considered a "hit". This makes oldies formats taboo on FM, but on the other hand, permits the CHR format. The old restrictions will remain in place on Ottawa/Hull & Montreal, however, because of an LMA agreement.

# PHOTO-NEWS

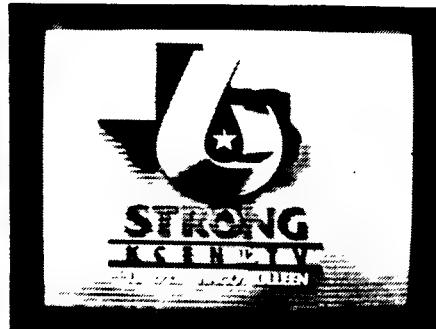
Continuing now with more photos from Danny Oglethorpe, Shreveport, LA.

Theme #1: "MAP ID's"

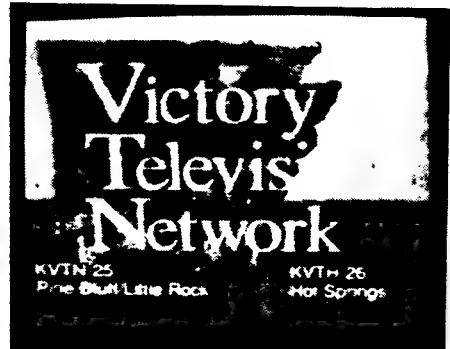


KTEN-10 Ada, OK  
234 mi Tr seen 8/4/96  
@0430 CT

A very cool logo! One of my favorites. Also nice multi-city ID!



KCEN-6 Temple, TX  
229 mi Tr seen 8/4/96  
@0200 CT



KVTH-25  
Pine Bluff Little Rock  
KVTH-26  
Hot Springs



From the Web: WBOC-16 Salisbury, MD and  
WTRV-7 Wheeling, WV

NewsChannel 7

Jeff Kruszka, Editor  
5024 S. Braxton Ave.  
Baton Rouge, LA 70817  
JTKruszka@worldnet.att.net

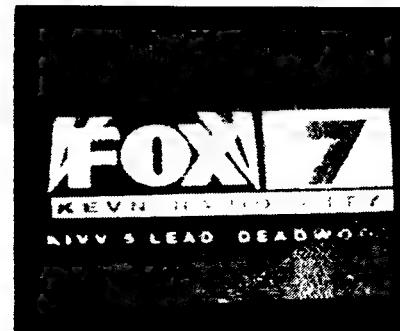
June 1997

## Photo News

June 1997

Page 2

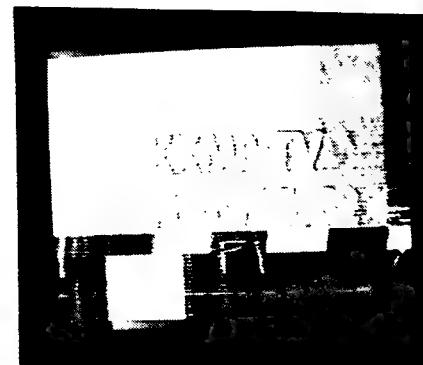
Theme #2: "ID's from other stations"



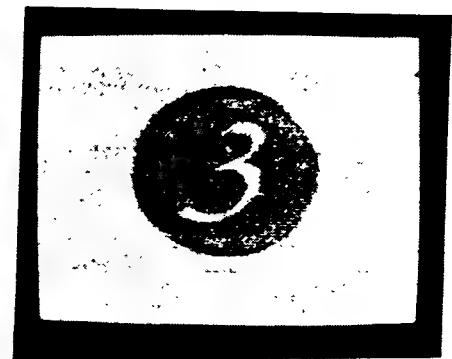
KENV-7 Lead, SD  
987 mi Es seen 7/25/96  
@1159 CT  
satellite of KEVN-7



KLBY-4 Colby, KS  
633 mi Es seen 7/19/96  
@1758 CT  
satellite of KAKE-10



KXMA-2 Dickinson, ND  
1110 mi Es seen 8/7/96  
@0035 CT  
satellite of KXMB-12



WRIC-TV 10  
Und 2  
Es seen 9/6/96  
@0915 CT  
with XHQ-3 ID (Culiacan, SI)

WAVY TV 10

8 NEWS  
WRIC-TV

Next month: All 4's for the 4th!

73's, Jeff

# SATELLITE NEWS



Changes continue to occur on some of the previously listed satellite, especially, the ANIKS. I hope to list all of those changes in a near future article.

Now to continue the rundown of what's up there.

DBS 1 at 101.2 W December 1993 8 KuBand transponders  
 DBS 3 at 100.8 W June 1995 16 KuBand Transponders  
 DBS 2 at 100.7 W August 1994 16 KuBand transponders  
 These are Direct Broadcast Digital Compression Satellites - for a specific market - They are generally not available to the usual backyard dish owner  
 They have a life of 12 years and transponder powers of 240 Watts. - DBS 1 however has a power level of 120 watts.

The old G-Star 1 that was at 103 West on Ku-Band only is no longer in use.

Spacenet 4 - 101 West - C and Ku-Band - Spring 1991 (10 years)  
 FORMAT: - Odds - Horizontal/Evens - Vertical on C-Band  
 8.5 and 16 watts on C Band/16 and 30 watts on Ku-Band

## Video Services:-

- 1 -
- 2 - Starz 2 VC2
- 3 - -
- 4 - Encore Easterns VC2
- 6 - KNBC - CH 4 - Los Angeles, California NBC VC2
- 7 - Basil Bassett Bingo
- 8 - KOMO - CH 4 - Seattle, Washington ABC VC2
- 10 - FOXNET - VC2
- 11 - Starz - East VC2
- 12 - feeds
- 14 - WWOR - CH 9 - New York City, New York - UPN - VC2
- 16 - National Programming Services
- 18 - Starz - West VC2
- 24 - PKIX - CH 5 - San Francisco, California CBS VC2

Because of a transponder malfunction - there are only rare occasional news feeds and teleconferences on the Ku-Band side.

Galaxy 9 - 99 West - C and Ku-Band - 1992 - 10 years  
 Format - Odds - Horizontal/Evens - vertical  
 VIDEO SERVICES:  
 1 - SCPC Radio Channels  
 2 - feeds - Buena Vista  
 5 - feeds  
 6 - NCN - National Christian Network - Shepherd's Chapel  
 7 - feeds  
 8 - feeds  
 9 - feeds  
 10 - United Paramount Network feeds  
 11 - feeds  
 12 - feeds  
 13 - feeds  
 14 - feeds - sometimes - KWHY - Los Angeles Business News Channel  
 15 - World Harvest Television (WHMB CH 40 - Indianapolis, Indiana and other affiliates)  
 16 - through 20 - Primary CBS feeds in VC1  
 21 - Warner Brothers Television Network and other feeds  
 22 - Paramount feeds  
 23 - feeds  
 24 - CBS feeds - news feed channel .....continued on page 37→

# NORTHERN FM-DX

GREG CONIGLIO

90 SLATE CREEK DR. APT #3  
 CHEEKTOWAGA, NEW YORK 14227

e-mail: coniglio@localnet.com

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada  
 JUNE 1997 DEADLINE: The 5th LOG CUTOFF: 3 mos. from postmark

Looks like not much DX activity this spring activity, with Dave Nieman's report being the only one this time around. Haven't heard of a whole lot of FM skip even as of this writing, either (May 14th). Let's hope that things have changed for the better by the time you are reading this! If you do get some good DX, we would look forward to hearing about it in your WFTDA DX column!

## DAVE NIEMAN - HO STA GEH ROAD - ROCK CITY NEW YORK 14749

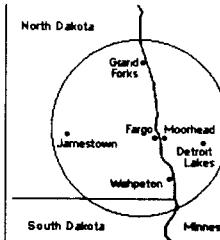
Equipment: Carver TX-11 tuner; IF filter modified. Channel Master model 4408 (Stereo Probe 9) at 60 feet AGL on a Alliance HD-73 rotor. Winegard FT-7600 variable FM trap for 95.7MHz, Belden RG-11/u coax feed.

New loggings are underlined. { } note call change.

## APRIL 1997 DX

20 tropo & Meteorscatter  
 0755 WVMV 98.7 MI Detroit, call+ "Smooth Jazz...V-98.7", \$, ex. WLZ 240  
 1000 W??? 97.3 ?? ???? ID for "He's Alive Radio", g\$  
 1329 KDSU 91.9 ND Fargo, call, \$, 'asking for volunteers to fill sand bags' 981

Kind of a quiet April, no big tropo or skip openings.



John Zondlo  
 4009 Driftwood Circle  
 Yukon, OK 73099  
 E-mail: Jpzondlo@aol.com  
 Deadline: 10th

# Southern FM DX

JUNE 1997

For DXers in: AL, AR, AZ, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NV, OK, SC, TN, TX, UT and WV

**Greetings!** Pretty quiet around Southern FM DX country so far this season, with only one report in. As Es and tropes get going, drop a line and let us know what you're picking up!

Doug Smith - W9WI - 1385 Old Clarksville Pike  
 Pleasant View, TN 37146-8098 -  
[72777.3143@compuserve.com](mailto:72777.3143@compuserve.com) CST  
 Technics ST-G50 tuner, big Radio Shack VHF-TV antenna at 15'.

The weather patterns return to normal for Tennessee, and so does the DX  
 4/20 Gw  
 1300 WNRZ 91.5 TN Dickson, legal ID, mx parallel to WNAZ 89.1 but announcements separate 35  
 4/30 Tr  
 0850 KVKI 96.5 LA Shreveport, calls 466

I realize it isn't much, but it looks like the Canadian cold fronts that have been sweeping through Tennessee routinely all winter long (driving off stable high pressure areas, preventing tropo, and tragically inundating North Dakota) have finally stopped. Also, we've already had an Es opening (April 29) though the MUF never got above channel 5. 73 Doug

## From the Editor

I also noticed the Es Doug mentioned, but couldn't pull any IDs from what I was seeing on channels 2 & 3 (I have locals on 4 & 5).

Here are a couple websites you might want to check out. First is Robert Kramer's TV DX homepage at <http://members.aol.com/RKD/X/tvdx-home.html>. Lotsa great pix of what he's seen over the years. You'll also find links to his excellent MW and LW pages and various other DX related pages, including a super search engine for the FCC Database.

The second homepage worth checking out is one done by Fred Cantu, a news anchor at KVUE Austin TX. It has lots of great info on Mexican broadcast stations, with links to many homepages. It's at <http://www.onr.com/user/fcantu/index.htm>.

See y'all next month! 73 jz

# WESTERN TV-DX

June 1997

Dennis P. Smith, 3703 Dixon St., Santa Barbara, CA  
93105-2419 (805)687-7803

This report is for April 1997. Once again, we had fair tropo with the usual coastal path to San Diego/Tijuana, channels 6-9, 17S-200 miles, on April 11-17, 21-22, and 24-27. As with March, this month's tropo was still only fair because the warm dry air above our occasional cool coastal air layer has still not developed to the hot summer temperature level. On April 21-22, it started to get hot inland (91°F), and therefore a more obvious air boundary started to form, with some tropo-signal improvement, but another weather front blew through with lots of wind (still no more rain), destroying the boundary and the tropo.

Best of DX to All.

Fernando Garcia, San Salvador 415, Rincon de la Sierra, Cd Guadalupe, NL, 67181 MEXICO

1800' ASL, No re-logs in the same month, only tropo over 500 miles.

Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60' with R. Shack amp.

			CDT
0715	WLAE	32 LA The Rosary, calls	694
0730	KADN	15 LA Mama's Family	586
	WMAH	19 MS MSN ETV	77
	KLTL	18 LA LPB	548
	KLPB	24 LA LPB	567
	WGNO	26 LA ABC News	694
\$	WNOL	38 LA LEAN pay adv.	694
\$	WUPL	54 LA UPN 54, o/XHV	705
	K30EM	30 LA HTV Exclusive	644
0745	KVHP	29 LA FOX	53
	WHNO	20 LA Religious	688
	WLPB	27 LA LPB	638
	K46CR	46 LA Baton Rouge VJN	645
	K59DG	59 LA New Orleans TBN	688
0800	KLAX	31 LA ID, Rel. program	618
	WCCL	49 LA	688
0815	W36AC	36 MS Religious	71
	KWBZ-LP39	LA Calls	618
	K62DW	62 LA Cartoons	58
	WVLA	33 LA NBC //KGNS-8	633
0830	WVUE	8 LA Rel. program	693
0900	K49DE	49 LA TBN //KLUJ-44	596
0945	WEIQ	42 AL SAP dif. MAIN	825
	WMPV	21 AL TBN //KLUJ-44	842

Victor Frank  
12450 Skyline Blvd.  
Woodside, CA 94062-4541  
email frank@sneaky.sri.com  
(415)851-7031

## Western TV DX (F. Garcia's report continues)

@WFLI	53 TN BARS, Good Morning	111
	See you in the Morning	
	WFLI 53 Cleveland	
0415	W64BO 64 NC FOX 21 ID's	1186
\$ WTTQ	21 AL Logo in yellow	96
	WJSU 40 AL ABC, // WCFT-33	1025
0430	WTJP 60 AL Pouring on the Power	998
	& WMDN 24 MS Test pattern	834
	KTXA 21 TX SAP same main, n. TX 518	
0445	@WJSP 28 GA BARS, GPTV	1057
0500	WSFA 12 AL NBC, ID	955
0515	WHLT 22 MS CBS, u/local	775
	W47BP 47 MS // WMAH-19, o/K47DF	766
0539	KPLC 7 LA Local WX report	548
0545	KATC 3 LA Local WX report	566
@KLRT	16 AR BARS	782
	KINZ 68 TX Worship, n. TX	518
	WFBI 50 TN HSN	904
@KASN	38 AR BARS, BIG 38	772
	WUPA 69 GA UPN 69	11
	WAXC-LP 64AL area advs.	995
	Answering phone calls on the air	
0700	WMAO 23 MS // WMAH-19	788
1915	WFSG 56 FL SAP dif. MAIN	92
1945	TVE 47 FL UPN 47, area advs.	117
2000	WJEB 59 FL TBN	118
	WJWB 17 FL u/o XHFOX	118
2030	\$ WCOV 20 AL FOX	958
	WPGA 58 GAABC	1115
\$ WMGT	41 GANBC //WVLA-33	1115
2100	WDCC 29 GA GPTV	1125
	W29BH 29 MSTBN	757
	WTAT 24 SC FOX 24, advs.	1331
	WABW 14 GA GPTV	1048
2115	WAWS 30 FL FOX News, area WX	117
	W63BK 63 FL TBN	856
2130	WRBW 65 FL 65 logo, Team A	1192
	WMFE 24 FL SAP dif. MAIN, educ	1191
	WOFL 35 FL	1191
	WACX 55 FL TBN	118
\$ WAQI	26 AL SAP dif. MAIN	95

500+ miles tropo were also noted on the 7, 17 and 24. This month of April is the worst month of April in the last five years due to many cloudy and rainy days over this area and west Gulf coast.

Best day was the last day of the month with up to 9 US states logged. Only one new station: LPTV ch. 64 in Franklin, NC (with WHNS-21), this log was a surprise it's transmitter must be over the high mountains in sw NC.

Please take note of the change of my mailing address.

73's Fernando

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA  
71136-6688

March 1997		UTC	
24 tr 1330	XERV	9 TA	
1335	XHAB	7 TA	
	KAVU	25 TX	
	XHFOX	17 TA weak	
Had to leave			
27 tr 1415	WTVA	9 MS	
28 tr 0730	KENS	5 TX	
	0830	KMOL	4 TX
	0900	KLRN	9 TX
30 tr 0205	San Antonio	4,5	
April 1997			
2 tr 1330	K30CS	30 TX KFXK-51 relay	
3 tr 1245	WGBC	30 MS	
19 Es 0115	unIDs	2,3,4,5 Mexico XEW, Canal Trece, etc.	
0134	XHCC	5 COL/JAL	
21 tr 0420	XERV	9 TA	
22 tr 0205	XERV	9 TA	
29 Es 1335	CKND2	2 MB "Kids TV"	
	1430	KGFE	2 ND Prairie PTV
30 tr 0120	XERV	9 TA	
	0145	KZTV	10 TX
	0150	XHAB	7 TA
	0215	KRGV	5 TX
	KEDT	16 TX	
	KORO	28 TX Univision	
0218	KGBT	4 TX	
0243	KAVU	25 TX	
0355	XHFOX	17 TA	
0415	KGNS	8 TX	
0425	KVEO	23 TX	
0447	KVNO	48 TX Uni.; over KTMD	
0450	KLRN	9 TX	
	KENS	5 TX	
0710	WLOX	13 MS	
	KABB	29 TX	
0715	KWEX	41 TX Uni.	
0810	WMAH	19 MS METV	
	WMPV	15 AL	
	WXXV	25 MS ID bars	
0815	WPMI	15 AL	
0820	WJTC	44 FL unID bars	
0850	KRRT	35 TX	
0910	XHFTX	57 TA ID bars over KVVV	
0925	XHLNA	21 TA "TV Azteca" bars w/music	
1010	XHSFT	25 TA XEW//XERV-9; o/u KAVU	
1028	KLUJ	44 TX TBN	
1110	WHOA	32 AL	
1112	WGBC	30 MS 24/30 promo	
1115	KMOL	4 TX	
	WCOV	20 AL	
1246	KHCE	23 TX ID bars	
1315	KMBH	60 TX PBS	
May 1997		UTC	
1 Es 1825	unID	2 Mexico; weak	
2 Es 0345	KGFE	2 ND	
	0400	KUSD	2 SD w/KGFE
	0410	KTIV	4 IA
	0420	unID	5 "CBC Manitoba" promo
0443	unID	5 CBS	
0505	CKND2	2 MB	

## Western TV DX (D.Oglethorpe's report contd)

0515 unID 2 Night Court  
 0532 unID 2 CBS  
 0535 unID 2 NBC logo beside 2;  
 may be the Night Court station; s/off  
 1325 WMAR 2 MD 1072

For the record: Panama would have been nice, but my tentative from Panama turned out to be Mexico. Thanks to Doug and Fernando for the information. Also, I listed WCEE-13 to be "MITV." That should have been "INTV." It does look kind of like MTV, however, when the signal is snowy.

Jeff is doing a good job with "Photo News." My wife, Sandra, does my TV photography. I record the DX, review the tapes, and operate the VCR. She snaps the pictures. I would have never attempted this DX photography project without her assistance.

Victor's concern about my interference problems is appreciated.

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

April 1997		CDT
21 tr 2054 XHAB	7 TA	505
27 MS 1518 unID	2 NBC brief, WBRZ off!	
29 tr 2123 XHAB	7 TA	505
XHFOX 17 TA		535

May 1997		UTC
2 Es 2235 unID	3,4 weak	
2301 KOAA	5 CO "5/30"	940

Can you believe that's it for April? A really pathetic season so far. I've noticed recently that my local ch. 52 (K52CQ) is either off the air or running very low power (I have something very faint to the NW). Bring on the E-skip!

Mike Cherry, VE7SKA, Box 631 Ganges PO, Salt Spring Is. BC V8K 2W2 CANADA

May 1997		UTC
4 MS 1532 KVBC	3 NV 34sec ads	667
1612 XHBC!	3 BCB...22 sec	
8 Es 0000 KCRA	3 CA Sacramento	
KRON	4 CA San Francisco	
0023 KEYT	3 CA Santa Barbara	
0030 KCBS	2 CA Los Angeles	
0039 XHBC	3 BCB Mexicali	
0047 KNBC	4 CA Los Angeles	
0057 KTVK	3 AZ Phoenix	
0200 KVBC	3 NV Las Vegas	
KRNV	4 NV Reno	
0255 KTVU	2 CA Oakland	

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228-2744 pjdyer3@juno.com

all times are GMT, distances in miles

### Equipment:

Emerson 1987 model 872 VCR used as the tuner ahead of a 9" B&W 1994 Keepsafe CCTV monitor. Archer V-100 and 8-bay bow-tie UHF array at 20' AGL with rotor.

April 1997		UTC
18 Es 1640 XHAP	2 GR Acapulco	870
22 tr 0359 WMAH	19 MS Biloxi	583
0449 XHLAT	33 TA Nuevo Laredo	147
1027 KPLC	7 LA Lake Charles	341
1037 WXXV	25 MS Gulfport	577
1043 WNOL	38 LA New Orleans	520
29 Es 1459 WISC	3 WI Madison	
unIDs	2	
30 tr 0531 KLT	18 LA Lake Charles	341
0523 WLAE	32 LA New Orleans	520
0528 KPLC	7 LA Lake Charles	341
0530 WNOL	38 LA New Orleans	520
0534 KADN	15 LA Lafayette	387
0633 WVLA	33 LA Baton Rouge	442
0635 WGNO	26 LA New Orleans	520
0657 WVUE	8 LA New Orleans	520
0703 KLFY	10 LA Lafayette	377
1352 WLAE	32 LA New Orleans	520
1355 WAPT	16 MS Jackson	529

May 1997		UTC
1 Es 0355 unIDs	2,3 Mexico	
0402 XHVIZ	3 TAB Villahermosa	870
0420 mostly faded out		
5 tr 1109 XHCJ	4 COA Sabinas Nva. Rosita	200
1137 XHOR	14 TA Matamoros	240
8 tr 0431 WNOL	38 LA New Orleans	520
0448 WGNO	26 LA New Orleans	520
0604 WVUE	8 LA New Orleans	520
0729 WMAH	19 MS Biloxi	583
10 Es 1929 WDIQ	2 AL Dozier	
11 Es 0152 KCBS	2 CA Los Angeles	
0200 KTVK	3 AZ Phoenix	
0222 XHBC	3 BCB Mexicali	

A cold frontal passage on April 22 rapidly killed off the strong tropo session by 0800 CST (1400Z). The XHCJ ID was implied by the Azteca 13 ID (in BVI) and 0-beat to our local. The 33 and 14 new ones were the only likely ones for Azteca 13 net on those channels.

KBTX-3 in Bryan one recent morning was noted with its ID imbedded in their VBI! It's perhaps the first US station that I've caught doing it. (XERV-9 in Reynosa had been first seen using a "hidden" VBI ID several years ago.) Now if they all could do so . . .

Lacking any exact coordinates, some of the Mexico distances are only very approximate.

73, Pat - WA5IYX

## EASTERN TVDX

JUNE 1997

WILLIS MONK - WB5KHD P.O. BOX 1452 COLLEGEDALE, TN 37315

### Doug Smith's report cont.

1113	(WENDY)-23	IN	266(4)
	WTTE-28	GA	344
	WKOH-31	KY	101(2)
	WCLJ-42	IN	214
	WKOI-43	IN	253(3)
	WCET-48	OH	234
	WIPB-49	IN	276
	WIIB-63	IN	214
	KOZK-21	MO	329
	KDEB-27	MO	329
	KSPR-33	MO	329
	KETK-56	TX	556(5)
27 Tr	2332		
28 Tr	0945		VHF STILL WAY UP, CHANNEL 2 LOOKED LIKE E-SKIP BUT I THINK IT WAS LITTLE ROCK.

### JANUARY 1997:

29 Tr	0110	BIRINGHAM	10/13/21/
		42/68	
		WJSU-40	AL 200
		WCFT-33	AL 223(6)
		ATLANTA	11/46/69 235
		WIIQ-41	AL 281(7)
		KASN-38	AR 319
	0748	WEOA-67	IN 113(8)
	0803	KSPR-33	MO 329
		K45CA	MO 151(9)
		W54AE	KY 98
		unID-26 W/RELIGION,	

LOUISVILLE???

### NOTES:

- 1: KETS-2 SEEN THROUGH 27-MILE LOCAL WKRN.
- 2: DESPITE SHORT DISTANCE THIS IS RARELY SEEN.
- 3: HASTINGS VIDEO AD CONFIRMED ON INTERNET AT "www.switchboard.com". DOESNT SEEM TO CARRY THE CONAN O'BRIAN SHOW FROM NBC.

### APRIL 97:

29 Es	1000	KENW-3	NM 956
30 Tr	0828	KSLA-12	LA 466#1
		0836	KETK-56 TX 556
			WCOV-20t AL
		0832	WHOA-32 AL294

Doug Smith's report cont.,

0854 WMAW-14 MS 315#2  
KARD-14 LA 415

NOTES:

#1 DOUG, I'VE BEEN IN THE KSLA STATIONS FOR A JOB INTERVIEW AND BACK IN 1963 I APPEARED ON CHANNEL 12 FOR ABOUT 30 SECONDS.

IT WAS AT THE LOUISIANA STATE FAIR, AND THEY WERE TALKING TO PEOPLE AT THE FAIR.  
#2 // 18 AND ARK. 19

-...-

WILLIS MONK, WB5KHD BOX 1452 COLLEGEDALE, TN.

EQUIPMENT:

A LARGE TV BY ZENITH AND A **VERY** OLD TV ANTENNA FROM RADIO SHACK.

MAY 97:

1 Es 0000 KWGN-2 CO  
KCNC-4 CO #1

NOTES:

#1 BOTH WERE COMING IN WITH VERY STRONG SIGNALS WITH THE 10 PM NEWS. THERE WAS A LARGE STORM FRONT FROM KANSAS DOWN THRU EAST TEXAS. IT WAS HERE IN EAST TENNESSEE BY FRIDAY NIGHT AND WE HAD AT LEAST 4 TORNADOS ON THE GROUND IN THE SURROUNDING AREA.

-...-

TOM BRYANT 849 TODD PREIS DR.  
NASHVILLE, TN

EQUIPMENT:

VHF-WINEGARD CS-4054 @20';  
UHF-ANTENNACRAFT P-5 PARABOLIC  
W/ANTENNACRAFT PREAMP @ 25'.

APRIL 97:

29 Es 0959 KENW-3 NM 937  
1031 KSVI-6 MT 1311

NOTES:

ABC ALSO SEEN ON 3// KSVI, WHICH I FIRST THOUGHT WAS KYUS BUT AFTER LEARNING THAT THEY ARE NO LONGER ABC I CONCLUDED THAT IT MUST HAVE BEEN EITHER KOTA OR WSL. I HOPE THAT THE EARLY START WITH A HEW LOGGING ON THE FIRST DAY -- IS A GOOD OMEN OF THINGS TO COME! THANKS TO DOUG SMITH FOR THE PHONE TIP...I WAS SLEEPING AND WOULD HAVE MISSED IT! NEW TOTAL-478.

-...-

ROY BARSTOW BOX 2488  
TEATICET, MASS.

APRIL 97:

2 Gw WLWC-28 MA TESTING NOW OR R/S W.B. S/OFF 0000.

3 Tr 1400 WRLH-35 VA

1410 W36BK VA

1415 W45BG VA

4 Tr 0030 WPDE-15 SC

1130 WWPB-31 MD

1400 CIVM-17 PQ

CFJP-35 PQ

CIVC-45 PQ

CIVO-30 PQ

15 Tr 2300 W18BS VA

W19BM VA

W18BB NC

W36BJ NJ

W36BK VA

16 Tr 0015 W24-(WPEN)NC

W66BZ VA

W69CV VA

0030 W41AC VA

W60AL VA

W56CS VA

0100 W51BH VA

W42AJ DC

0340 W40AZ DE

1430 W35BH VA

2045 W40AH VA

Yes the big boys were also coming in!!

26 Tr Like the 15th and 16th.

Roy Barstow's report cont.,

2300	WYDO-14	NC
	WUNM-19	NC
	WUNJ-39	NC
	W44AD	VA
2330	W52AB	VA
	W63AM	VA
	W65CP	VA
	W21AQ	VA
27 Tr	0100	WUNK-25 NC
		WUNP-36 NC

NOTES AND COMMENTS:

Years back, Jeff Kadet mentioned that I did good (DX) with my modest equipment. Seems to me when he moved into Macomb, IL. He didn't think it was going to be a good location, due to the trees and cable leak.

Well, Jeff, you have come a long way!!

Thats it for this month--see you all next month same time- same station.

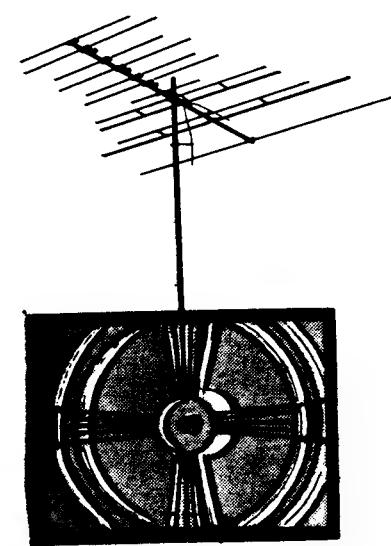
73's

**WTFDA E-mail directory** (as of May 12, 1997)

Edited by Matthew C. Sittel E-mail: 76255.2171@Compuserve.com

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Zuk, Karl	NY Croton-on-Hudson	zuk@bestweb.net

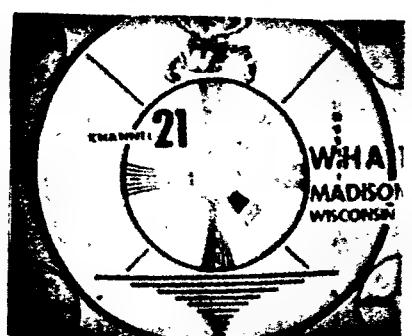
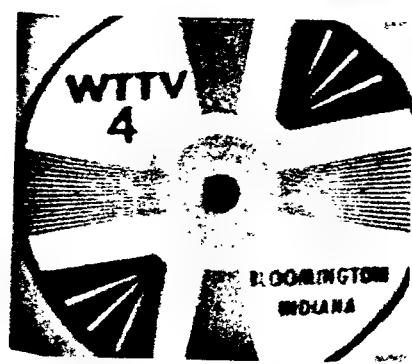
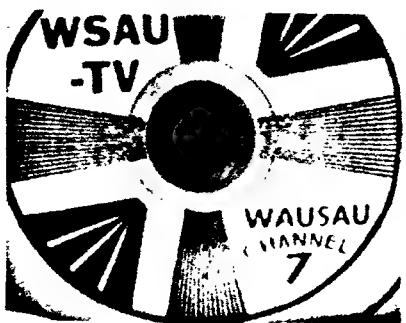
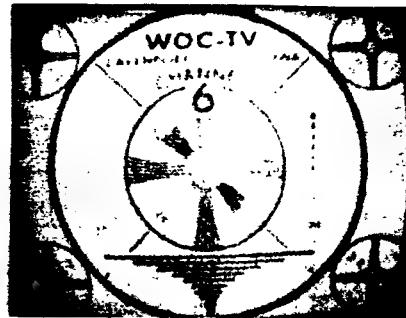
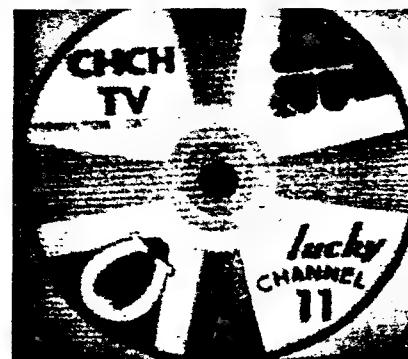
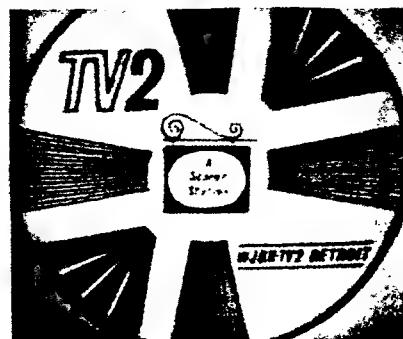
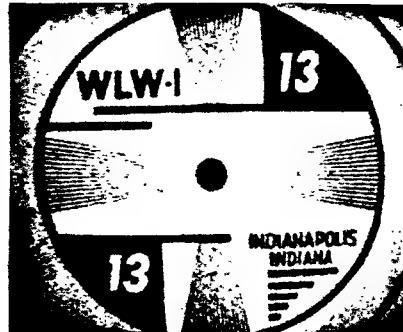
Note: If you'd like to be included on this list, you must send a message giving me permission to include your e-mail address on this list, even if you regularly include your address with your report or column! Please send any changes to the above information via e-mail or snail mail. Thank you!





## GONE FOREVER!

Many thanks to Michael Condon of Poynter, WI for sharing some of his test pattern photos taken some 30 years ago. Few of us had good photo gear or much camera pazz, and poorly centered and badly focused shots were the rule rather than the exception. It would have been nice to have perfect exposures...but anything is better than nothing at all!



I'd also like to personally thank Michael for the use of some software programs which have enabled me to incorporate digitally processed and corrected pictures in this column for the first time. Setting this stuff up is tricky, and I hope the results are pleasing. The addition of a scanner to my personal computer setup will enable me to expand the scope of content for upcoming features. Please be patient if there are flaws. Any new technology requires at least a brief 'shakedown' period. - Tom

# CATCH A WAVE!

by Jim Thomas, wdx0fbu

FM DX audio recently took a new step forward...into the world of multimedia. If you consider yourself computer-literate, if you happen to own a computer and have an audio (sound) card or are capable of installing an audio card, then Sound Blaster 16 (SB 16) WaveStudio may be just your ticket to capturing those illusive FM station identifications. On the other hand, if computer-stuff is not your cup of tea, then we presume your tape recorder will continue to be an important asset in your dx shack for getting 'hard copy' of important audio information.

Two years ago I began experimenting with SB 16 and WaveStudio 2.0. I've been FM dxing for over 20 years and up until WaveStudio, documenting was done by logbook and tape recorder. For me, the tape recorder seemed cumbersome, and for that reason, I've missed out on capturing and saving many significant signals. Whenever I submit dx reports to the Southern FM-DX column, I note significant dx that has been recorded with the SB 16 WaveStudio. I recall one time Danny Buntin asked me to explain that terminology to the computer illiterate. Hopefully this article will do that, and also enhance the "fun" computer operators of the club are having.

So, for those that speak 'computerese', you may be chomping at the bit to find out where you sign up for WaveStudio. First, we need to get an overview of WaveStudio and see if it will fit in your computer system.

## The Basics

WaveStudio makes it possible for you to record, play and edit wave forms, a graphic representation of your recorded dx signals. You can cut or copy a segment of a wave form and paste it back into the wave form at a different location - or cut or copy a segment of one wave form and paste into another. Such would be the case if you had just recorded five minutes of dx and one minute was all you wanted to save. You would simply cut and paste the selected 'save' portion and save it under a name, then delete the remaining unwanted portion. This eventually becomes necessary to preserve space on the pc hard drive.

## Sound Basics

This small section may be considered a primer by many, but there are some fundamentals of sound which should be covered. Sound is represented by sine waves. A sine wave displays the frequency and amplitude of the sound. Frequency is the number of vibration cycles per second and determines the pitch or timbre of a sound, the higher the number of cycles, the higher the pitch. Amplitude, represented by the height of the sine wave, determines the volume or loudness of a sound; the greater the height of the sound waves, the louder the sound.

A WaveStudio wave form represents an analog sound as a continuous sine wave, a line. A digitized sine wave is translated to a series of dot patterns that resemble the shape and size of an analog sine wave line. Sampling is the process of converting an analog wave form to a digitized wave form. The sampling rate is the number of times the translator, such as SB 16, looks at a sound to create a digitized sound wave image. For example, recording an FM radio signal (or any other sound) at 4 kHz creates 4,000 digitized images or samples of the sound wave in one second.

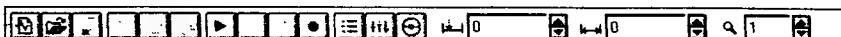
WaveStudio allows you to record at sampling rates of 11 kHz to 44.1 kHz. The sampling rate determines the quality level of the recording. The higher the sampling, the better the sound. For example, CD audio is high quality and has a sampling rate of 44 kHz at 16 bits.

To use WaveStudio effectively, you need to know the amount of memory needed to run WaveStudio, how to manage your files, and how to work with compressed files. WaveStudio requires about 1 MB of memory. The memory requirement increases when you playback and record wave files - sufficient memory is needed for the buffers. Run WaveStudio on at least a 386-based systems with 4 MB of RAM and Windows 3.X.

When you open a file for editing, WaveStudio allocates a certain amount of memory for storing the necessary information and does not load the entire file into memory. The file is edited directly from your PC hard disk - you can edit files as large as your hard disk can hold.

## Toolbar

The Toolbar comprises several buttons and control boxes for file and wave operations



The buttons on the Toolbar are:

- [Icon] Opens a new window containing no wave data.
- [Icon] Opens an existing wave file.
- [Icon] Saves the active wave file.
- [Icon] Cuts the selected data of the wave file.
- [Icon] Copies the selected data of the wave file.
- [Icon] Pastes cut or copied data onto the wave file.
- [Icon] Plays the wave file that is currently active in WaveStudio
- [Icon] Stops the playback of a wave file.
- [Icon] Pauses/resumes the playback of a wave file
- [Icon] Records a wave file.
- [Icon] Sets the default recording format
- [Icon] Activates Creative Mixer.
- [Icon] Activates the CD player. Note that this button will only appear if you have a CD-ROM drive installed

The control boxes on the Toolbar are

- [Icon] Displays the starting position of the wave data selection. You can specify the position by typing a numerical value in the text box or use the scroll arrows to select the starting position
- [Icon] Displays the size of the wave data selection. You can type the size in the text box or use the scroll arrows to increase or decrease the size.
- [Icon] Displays the zoom ratio of the wave file displayed. You can type the ratio in the text box or use the scroll arrows to increase or decrease the ratio. The smaller the value the larger the magnification.

You can use the above control boxes to select a portion of wave for playback or editing; to select a portion of the wave, specify the starting position and the desired size of the wave data you want to work with and press enter.

You will see the selected portion of the wave data being highlighted in the Edit Window. For more details on selecting wave data, please refer to the section on the Edit Window.

Figure 1. **WaveStudio control menu as displayed on your PC.**

## File management

When you record your dx wave data, WaveStudio will store recorded data directly to the hard disk. High resolution recording of data, particularly 16-bit data at 44 kHz, would take longer to write to your disk if it is not optimized for speed.

You can reduce the amount of time your system spends reading and writing data by compacting your hard disk using a disk-compacting utility such as DEFrag and installing a hard drive cache such as SMARTDrive.

### Compressed Wave Files

To work effectively with compressed files, you need to know how compressed files are saved, opened, and edited. In WaveStudio, a basic wave file in a saved, unedited form is shown as a .pcm format. Also, you will need to record your audio sampling as a 16-bit file. Compression is not available for 8-bit files. Once you have edited your file, you can save it as a compressed file, showing that it has an .adpcm extension.

WaveStudio currently supports five compression formats: Microsoft ADPCM, CCITT A-law, CCITT u-law, IMA/DVI ADPCM, and Creative ADPCM.

When you open a compressed wave file, WaveStudio decompresses the file before displaying it. The file must reside on a drive that has sufficient disk space to accommodate the uncompressed data.

The amount of space required depends on the compression format adopted. For CCITT A-law and u-law, the compression ratio is 1:2 (compressed:uncompressed). For ADPCM, the ratio is 1:4. For example, if you are working with a 1 MB ADPCM file, you need to have at least 4 MB of free disk space.

### Putting It All Together

Acknowledging that you have loaded the WaveStudio software into your pc, you are ready to run with your new found toy and begin digitally logging all of your significant dx....OR ARE YOU?? Let's go back to your tuner or receiver and run the loop. Incidentally, if you use a tuner, a 'hi-fi' amplifier is not necessary, as your pc audio card replaces that piece of equipment - your pc becomes your amplifier. That leads you to understand that you will need volume-adjustable external pc speakers. Of course, Sherlock, may we proceed please. So, you run speaker cable from the speaker or output connections from your radio to your pc. In most cases, your pc connection will require a common single stereo connector. This is the type of plug you find on most headphone sets today and are available at radio and electronic stores. To make the connection from the speaker cable to the single stereo connector, you will need to insert a y-connector, which will join the two pieces together. You're now connected to your pc source. From here, we locate our WaveStudio icon in the Sound Blaster 16 directory, double click the mouse (left button) on the WaveStudio icon to open the program application. You'll view on the monitor what is representative of the toolbar. (see Figure 1)

Below the title bar and the drop-down categories, you will see the WaveStudio toolbar. Reading from left to right, you see pads (push buttons) for New, Open, Save, Cut, Copy, Paste, Play, Stop, Pause, Record, Format, Mixer, CD. To the right are position indicators for Start, Size, and Zoom.

At this point the chase is on. Your tuner is on - with your cursor arrow, you push the Mixer pad - adjust volume and tone quality - then close mixer. Then you push the Record pad and it opens the right channel/left channel view screen. At this point you are still not recording. To activate Record, you push the Start pad on the Record screen. Logically then, to top the Record session, you will push the Stop pad. At this point, you will view on-screen the digitized sine wave of the recording session which just took place. This particular session is ready for editing, cutting and copying to another location, and/or saving with compression to your hard disk. (see Figure 2)

If you're into a heated dx session - say you're into some really good tropo or there's a major E-skip opening in progress - there is a good possibility you don't want to keep starting RECORD and STOP for each station. Just like a tape recorder, you push the START pad in the Record mode. At this point, you ARE RECORDING. Immediately push the PAUSE pad. SoundWave is now waiting to record. All that is required is pushing the Pause pad. After this recording session, you will go back and edit. You will also delete any unnecessary information. Also, if you have several stations together in one recording session, you may want to CUT and COPY each station to its own file. What a concept in capturing significant dx audio.

The Beach Boys sang, "Catch a wave and you'll be on top of the world..."

If you're into computers, this year you may want to catch your own wave with the WaveStudio.

*For more information, contact Creative Labs, 1901 McCarthy Blvd., Milpitas, CA 95035*

## Edit Window

The Edit Window is the area where the content of a wave file is displayed. You can open several Edit Windows at a time and display them in a cascaded, vertically tiled, or horizontally tiled fashion. You can also minimize them to icons.



With different wave files displayed in different Edit Windows, you can perform editing functions like cut, copy, and paste from one wave file to another easily and quickly.

For a better view of data displayed in the Edit Window, use the horizontal scroll bar to select data for viewing and use the vertical scroll or the zoom control in the Toolbar to zoom into (or out of) the data.

To select a portion of the wave data for editing, hold down the left mouse button anywhere on the Edit Window and drag the mouse. Once the desired portion of the wave data has been selected, release the left mouse button. The selected area will be highlighted. To select the entire wave, double-click the wave display in the Edit Window.

### Hint

If you want to select data from a specific position back to the beginning of the data, hold down the left mouse button at the specific position and drag the mouse (upwards) above the Edit Window.

If you want to select data from a specific position to the end of the data, hold down the left mouse button at the specific position and drag the mouse (downwards) below the horizontal scroll bar of the Edit Window.

### Note

When you click the right mouse button on the Edit Window, a menu of commands will display allowing you to perform various functions.

### See Also

Figure 2. *The Edit Window - note the analog waveform display!*



On the Ku side of Galaxy 4 - there are many news feeds and teleconferences. You will also find the following regular users:

9H - Chinese News Channel - Taipei, Taiwan  
23H - TVB - Jade - Hong Kong, China - American Version L  
27H - Chinese Channel - Peiking, China - from Los Angeles  
31H - The Filipino Channel - Manila, The Phillipines  
(ABC/CBN Broadcasting Corporation DWWX - CH 2 -

*That's all for this time - see you in 30.*

*Dänge*

# **COVERAGE MAP CLASSICS**

courtesy EASTERN TVDX editor Willis Monk...



**ONE OF THE  
HILDRETH NETWORK STATIONS  
SERVING ALL OF MAINE**

**POPULATION COVERED BY WAGM-TV**

AROOSTOOK COUNTY 126,110

**NEW BRUNSWICK**

**WAGM TELEVISION IS A CBS — ABC — NBC AFFILIATE**

**WAGM-TV**  
**CHANNEL 8 — PRESQUE ISLE, MAINE**

**COMPUTED GRADE A, B, AND 35 MV  
CONTOURS**

68 by E.P. DIRECTIONAL

255 FT FEBRUARY 1962

## **COVERAGE MAP CLASSICS.....**

**WCAX-3**  
**Burlington, VERMONT**  
from the back of  
**Vermont Video Guide.**

a TV GUIDE-type publication in 1954

## *Vermont Video Guide*

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**KTUL-8 in the  
early 1960's,  
Tulsa, OKLAHOMA**

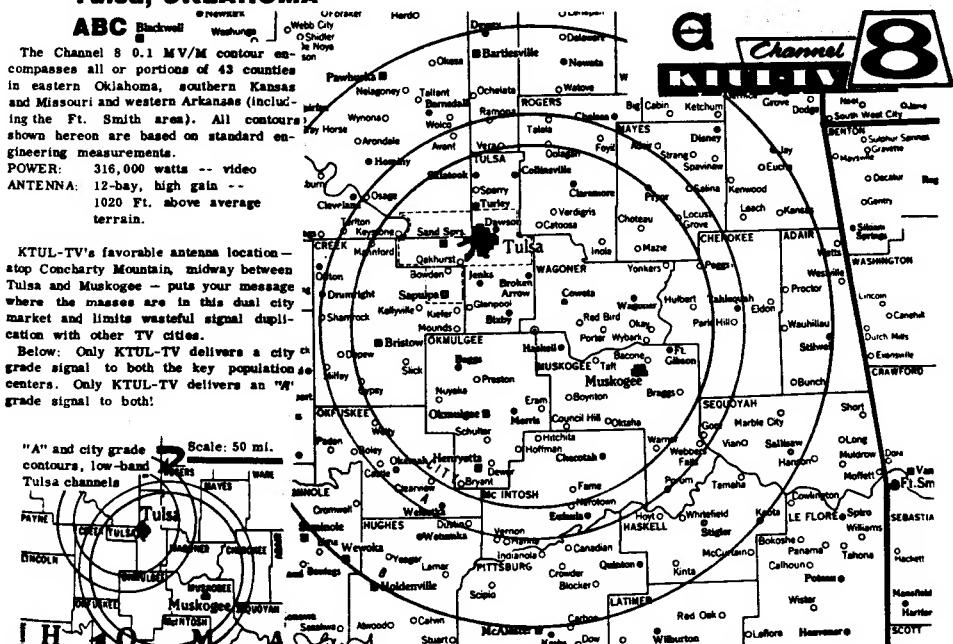
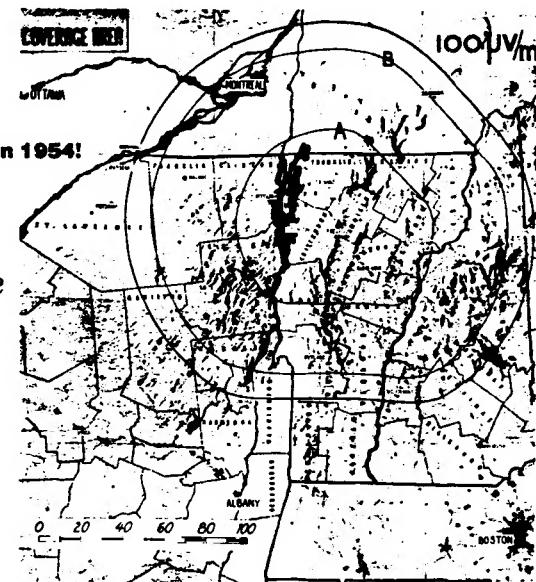
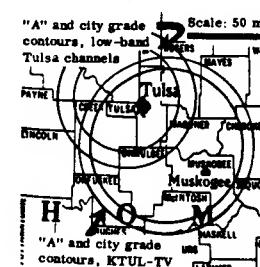
**ABC** Blackwell • NEW YORK  
Washington • Webster

The Channel 8 0.1 MV/M contour encompasses all or portions of 43 counties in eastern Oklahoma, southern Kansas and Missouri and western Arkansas (including the Ft. Smith area). All contours shown hereon are based on standard engineering measurements.

**POWER:** 316,000 watts -- video  
**ANTENNA:** 12-bay, high gain --  
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terrain.

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DATES: JULY 25, 26, 27

PRICE: \$35.00 [REGISTRATION FEE \$15.00, BANQUET \$20.00]

LOCATION: HOLIDAY INN BRISTOL PLAZA, COSTA MESA C.A.

HOST: MIKE SANBURN (310) 614-1444 (NIGHTS)  
P.O. BOX 1256 BELLEFLOWER, CA. 90707

HOTEL INFO: Holiday Inn is located right on the southbound Bristol off ramp of the 405 San Diego Freeway. The location is 2 miles from John Wayne Orange County Airport. The phone number is (714) 557-3000. Fax at (714) 957-8185. The mailing address is 3131 South Bristol, Costa Mesa, Ca. 92626  
Visa-Mastercard-Discover-American Express-Diners Club

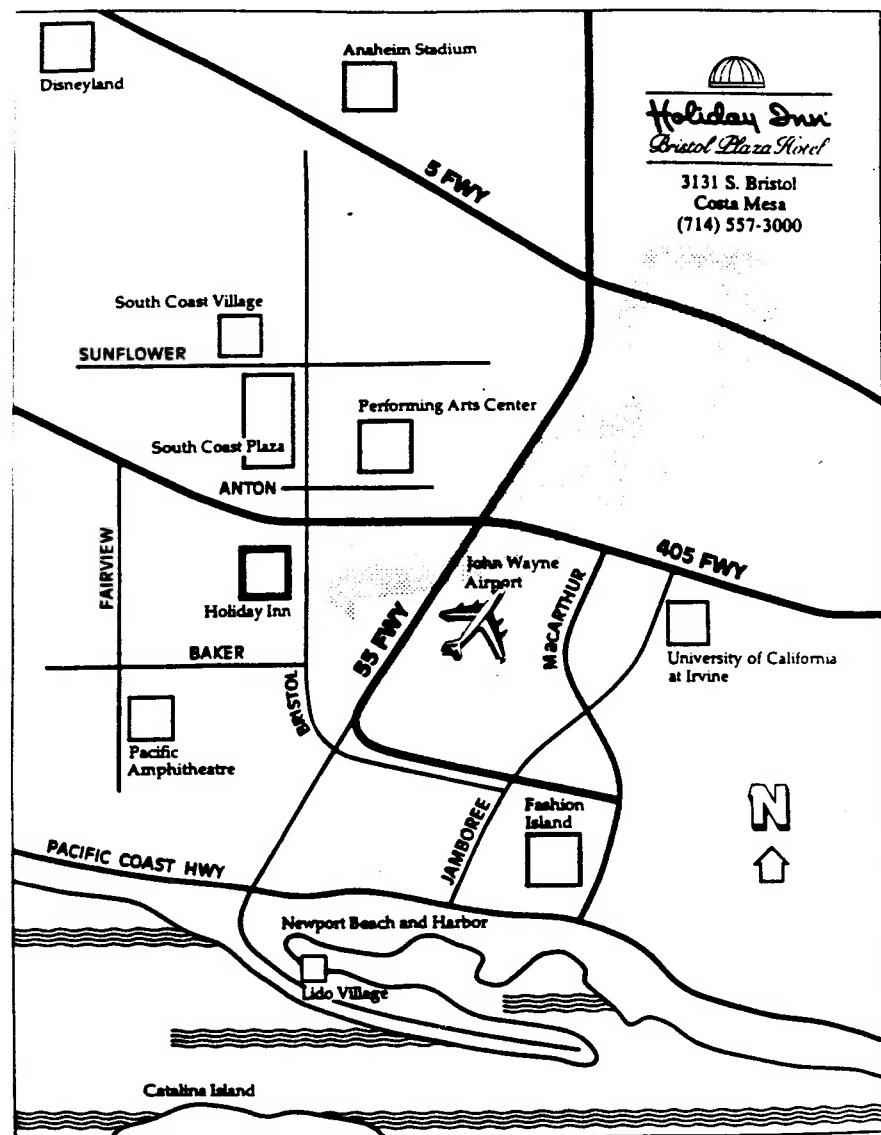
ROOM RATES: \$60.00 per night, per room [not per person]. Guests are encouraged to double up and save. Rooms include 1 king and sofa bed, or 2 queens.  
MENTION CONVENTION RATE!!!

STORES/  
RESTAURANTS: South Coast Plaza, one of the worlds largest shopping malls is located directly across the freeway from the hotel. There are many dining establishments nearby, including the hotel bar & grill with "Happy Hour", and a brand new McDonalds in the parking lot.

TRANSPORTATION: Hotel shuttle from Orange County Airport is FREE! Amtrak and Greyhound have terminals in Anaheim, Ca. Super-Shuttle van service: (714) 517-6600. Orange County Transit Authority (city bus): (714) 636-RIDE. Hotel parking is FREE.

AIRLINES: LONG BEACH: AMERICA WEST, SUNJET  
Orange County: Alaska, Alpha, American, America West, Continental  
Delta, Northwest, Reno Air, Southwest, TWA, United, US Air.  
LAX International: Most major carriers. All three airports are conveniently located along the 405 freeway.

ACTIVITIES: Station tours, slide show, prize giveaway, banquet, auction, picnic, Etc.  
.....BE THERE...



**QSL Corner & Logos Run**  
 Thomas J. Yingling, Jr.  
 221 Pinewood Road  
 Baltimore, MD 21222-2345  
 E-Mail: KA3TCC@JUNO.COM

**KS KLS 92.7 Minneapolis**, % 1112 Albert,  
 Salina, MN Nice letter, a few coverage-maps, &  
 apologizes for not having any promotional  
 material, since it is such a new station (first day  
 on 2-26-93) all from Mark J. Powell, Dir. Of  
 Programming. (Coniglio)  
**LA KCIL 107.5 Houma**, 909 Belanger St., zip  
 70360. Letter, sticker, fridge magnet & coverage-  
 map from Michael Stone, GM (Coniglio)  
**MB CIKR 97.5 Winnipeg**, 930 Portage Ave., zip  
 R3G 0P8. Bumper sticker & letter from Ken Barr,  
 Asst. Eng. (Coniglio)  
**MI WGLQ 97.1 Escanaba**, 524 Ludington, Set.  
 300, or 717 W. Washington St., Marquette, MI  
 49855. Letter from Jeff Gerber, Station Manager  
 who also mentions various places around Buffalo  
 he is familiar with as writer used to live in  
 Rochester. He also send coverage map & bumper  
 stickers. The letterhead says "Radio Results  
 Network (RRN), which controls WGLQ, WCHT-AM  
 600khz Escanaba, WCMM 94.7 Gulliver & WFXD  
 103.3 Marquette. (Coniglio)



**KNVA-TV ch. 54**  
**MO KIMO 100.1 Jefferson City**, 3109 S. 10 Mile  
 Dr., zip 65109. Letter & bumper stickers from  
 Frank Newell, Owner/GM. I mention that this was  
 my fm tropo record at 775 miles, letter says is  
 now 33,000 watts & gives coordinates & says  
 they are now 13 miles sw of Jefferson City, MO, so  
 that my record distance is even farther! (Coniglio)  
**OH WQEL 92.7 Bucyrus**, 403 E. Rensselaer St.,  
 zip 44820-0789, or P. O. Box 789 same zip.  
 Letter, stickers, promo material, staff pictures all  
 from Donna Brause, Station Manager. (Coniglio)



**KXAN-TV ch. 36**  
**OK KYKC 100.1 Byng**, % 1150 N. Hills Centre,  
 P. O. Box 2052, Ada, OK 74820. Letter, stickers,  
 portions of FCC files, & coverage-map from Steve  
 O'Neal. (Coniglio)  
**OK KQTZ 105.9 Hobart**, 1515 N. Broadway, zip  
 73651. Written QSL Card & window sticker from  
 A. R. Fuchs, Owner. (Coniglio)  
**OK KMAD 102.3 Madill**, P. O. Box 576, zip  
 73446. Nice letter & apologizes for lack of  
 stickers, etc. from Glenn "Sky" Corbin,  
 Partner/GM. (Coniglio)  
**SD KQAA 94.9 Aberdeen**, P. O. Box 1770, zip  
 57402. Bumper sticker & letter from Deb  
 O'Donnell, General Manager. (Coniglio)

**TX KLSF 96.9 Amarillo**, 803 S. Rusk, P. O. Box  
 7407, zip 79114. Letter from Gracey Palomin,  
 Receptionist & station also LMA's KPUR 107.1  
 (Coniglio)  
**TX KEOM 88.5 Mesquite**, 2500 Memorial  
 Parkway, zip 75149. Letter & bumper sticker  
 from James C. Griffin, III, ED.D. who mentions that  
 the station recently moved from 88.3. (Coniglio)  
**11 NEWS NetLine**  
 KKTV-TV ch. 11  
**TX KNUE 101.5 Tyler**, 3810 Brookside, zip  
 75701-9420. Letter & sticker from Terry Cooper,  
 GM who also send coverage-map. They also LMA  
 for KISX 107.3 Whitehouse. (Coniglio)  
**TX KALK 97.7 Winfield**, % 106 S. Jefferson Ave.,  
 Mt. Pleasant, TX. Letter & window sticker from  
 Donna R. Hill, Owner. I'm glad to get this verie, as  
 first time I been able to hear something over  
 CHTZ 97.7. (Coniglio)  
**WI WRHN 100.3 Rhinelander**, P. O. Box 738, zip  
 54501-0738. Letter promo material, coverage-  
 map from Karen Thomas, Afternoon Announcer.  
 (Coniglio)  
**WI WDEZ 101.9 Wausau**, % 920 Grand Ave.,  
 Schofield, WI 54476. Nice letter, business card,  
 bumper & window stickers, post card & tee-shirt  
 all from Shane Finch, Program Director. (Coniglio)  
**DE WLWB 92.1 Fenwick Island**, % WLWB-FM, P.  
 O. Box "U", Salisbury, MD 21802-1197. Letter  
 back from Ron Jay Gillenardo, GM. (Holbrook)  
**DE WSBL 97.9 Selbyville**, P. O. Box 379, zip  
 19975. Letter from Walt Barcus, Program  
 Director says the transmitter is 5 miles SE of  
 Bishopville, MD. (Holbrook)  
**MD WRXS 106.9 Ocean City**, P. O. Box 1991,  
 zip 21842. Letter from Chris Kelley, VP of Ops. &  
 id's as X-107. (Holbrook)  
**NE KLNE 88.7 Lexington** and  
**NE KHNE 89.1 Hastings**, % Nebraska  
 Educational Telecommunications Commission, P.  
 O. Box 83111, Lincoln, NE 68501-3111. Letter  
 from David L. Walstad, Asst. Dir. of Engineering  
 Transmission (Holbrook)  
**MN KRSW 91.7 Worthington**, 1450 College  
 Way, zip 56187. Nice hand written letter from  
 Mark Stein, who says "You hold the distance  
 record" (Holbrook)  
**OK KOMA 92.5 Oklahoma City**, P. O. Box 6000,  
 zip 73153. Letter, card, & bumper sticker from  
 Dennis K. Phair, CE. (Holbrook)  
**OK KBEZ 92.9 Tulsa**, 7030 S. Yale, Ste. 711,  
 zip 74136. Letter from Dennis H. Orcutt, Regional  
 CE, WB5ISN. (Holbrook)  
**IL WBGL 91.7 Champaign**, 2108 W. Springfield,  
 zip 61821. Letter, bumper sticker from Stephen  
 R. Young, Station Manager  
**NJ WQNJ 98.5 Asbury Park**, P. O. Box 880, 605  
 Matisson Ave., zip 07712. Very nice letter from  
 Philip E. Galasso, CE. (Holbrook)  
 This month's reports come from Greg Coniglio of  
 Williamsville, NY; & Hank Holbrook of Dunkirk,  
 MD.



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